FEDERAL OPERATING PERMIT

A FEDERAL OPERATING PERMIT IS HEREBY ISSUED TO
Wise County Power Company, LLC

AUTHORIZING THE OPERATION OF
Wise County Power Plant
Fossil Fuel Electric Power Generation

LOCATED AT
Wise County, Texas
Latitude 33° 3' 30" Longitude 97° 54' 37"
Regulated Entity Number: RN102584844

This permit is issued in accordance with and subject to the Texas Clean Air Act (TCAA), Chapter 382 of the Texas Health and Safety Code and Title 30 Texas Administrative Code Chapter 122 (30 TAC Chapter 122), Federal Operating Permits. Under 30 TAC Chapter 122, this permit constitutes the permit holder's authority to operate the site, emission units and affected source listed in this permit. Operations of the site, emission units and affected source listed in this permit are subject to all additional rules or amended rules and orders of the Commission pursuant to the TCAA.

This permit does not relieve the permit holder from the responsibility of obtaining New Source Review authorization for new, modified, or existing facilities in accordance with 30 TAC Chapter 116, Control of Air Pollution by Permits for New Construction or Modification.

The site, emission units and affected source authorized by this permit shall be operated in accordance with 30 TAC Chapter 122, the general terms and conditions, special terms and conditions, and attachments contained herein.

This permit shall expire five years from the date of issuance. The renewal requirements specified in 30 TAC § 122.241 must be satisfied in order to renew the authorization to operate the site, emission units and affected source.

Permit No: O2604 Issuance Date: _____

_____
For the Commission

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General Terms and Conditions

The permit holder shall comply with all terms and conditions contained in 30 TAC § 122.143 (General Terms and Conditions), 30 TAC § 122.144 (Recordkeeping Terms and Conditions), 30 TAC § 122.145 (Reporting Terms and Conditions), and 30 TAC § 122.146 (Compliance Certification Terms and Conditions).

In accordance with 30 TAC § 122.144(1), records of required monitoring data and support information required by this permit, or any applicable requirement codified in this permit, are required to be maintained for a period of five years from the date of the monitoring report, sample, or application unless a longer data retention period is specified in an applicable requirement. The five year record retention period supersedes any less stringent retention requirement that may be specified in a condition of a permit identified in the New Source Review Authorization attachment.

If the permit holder chooses to demonstrate that this permit is no longer required, a written request to void this permit shall be submitted to the Texas Commission on Environmental Quality (TCEQ) by the Responsible Official in accordance with 30 TAC § 122.161(e). The permit holder shall comply with the permit's requirements, including compliance certification and deviation reporting, until notified by the TCEQ that this permit is voided.

The permit holder shall comply with 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit.

All reports required by this permit must include in the submittal a cover letter which identifies the following information: company name, TCEQ regulated entity number, air account number (if assigned), site name, area name (if applicable), and Air Permits Division permit number(s).

Special Terms and Conditions:

Emission Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting

1. Permit holder shall comply with the following requirements:

    A. Emission units (including groups and processes) in the Applicable Requirements Summary attachment shall meet the limitations, standards, equipment specifications, monitoring, recordkeeping, reporting, testing, and other requirements listed in the Applicable Requirements Summary attachment to assure compliance with the permit.

    B. The textual description in the column titled "Textual Description" in the Applicable Requirements Summary attachment is not enforceable and is not deemed as a substitute for the actual regulatory language. The Textual Description is provided for information purposes only.

    C. A citation listed on the Applicable Requirements Summary attachment, which has a notation [G] listed before it, shall include the referenced section and subsection for all commission rules, or paragraphs for all federal and state regulations and all subordinate paragraphs, subparagraphs and clauses, subclauses, and items contained within the referenced citation as applicable requirements.

    D. When a grouped citation, notated with a [G] in the Applicable Requirements Summary, contains multiple compliance options, the permit holder must keep records of when each compliance option was used.

E. For the purpose of generating emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 1 (Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.302 (relating to General Provisions)

(ii) Title 30 TAC § 101.303 (relating to Emission Reduction Credit Generation Certification)

(iii) Title 30 TAC § 101.304 (relating to Mobile Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.309 (relating to Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the reduction credit are applicable requirements of this permit

F. For the purpose of generating discrete emission reduction credits through 30 TAC Chapter 101, Subchapter H, Division 4 (Discrete Emission Credit Banking and Trading), the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 101.372 (relating to General Provisions)

(ii) Title 30 TAC § 101.373 (relating to Discrete Emission Reduction Credit Generation and Certification)

(iii) Title 30 TAC § 101.374 (relating to Mobile Discrete Emission Reduction Credit Generation and Certification)

(iv) Title 30 TAC § 101.378 (relating to Discrete Emission Credit Banking and Trading)

(v) The terms and conditions by which the emission limits are established to generate the discrete reduction credit are applicable requirements of this permit

2. The permit holder shall comply with the following sections of 30 TAC Chapter 101 (General Air Quality Rules):

A. Title 30 TAC § 101.1 (relating to Definitions), insofar as the terms defined in this section are used to define the terms used in other applicable requirements

B. Title 30 TAC § 101.3 (relating to Circumvention)

C. Title 30 TAC § 101.8 (relating to Sampling), if such action has been requested by the TCEQ

D. Title 30 TAC § 101.9 (relating to Sampling Ports), if such action has been requested by the TCEQ

E. Title 30 TAC § 101.10 (relating to Emissions Inventory Requirements)

F. Title 30 TAC § 101.201 (relating to Emission Event Reporting and Recordkeeping Requirements)

G. Title 30 TAC § 101.211 (relating to Scheduled Maintenance, Start-up, and Shutdown Reporting and Recordkeeping Requirements)

H. Title 30 TAC § 101.221 (relating to Operational Requirements)

I. Title 30 TAC § 101.222 (relating to Demonstrations)

J. Title 30 TAC § 101.223 (relating to Actions to Reduce Excessive Emissions)

3. Permit holder shall comply with the following requirements of 30 TAC Chapter 111:

A. Visible emissions from stationary vents with a flow rate of less than 100,000 actual cubic feet per minute and constructed after January 31, 1972 that are not listed in the Applicable Requirements Summary attachment for 30 TAC Chapter 111, Subchapter A, Division 1 , shall not exceed 20% opacity averaged over a six-minute period. The permit holder shall comply with the following requirements for stationary vents at the site subject to this standard:

(i) Title 30 TAC § 111.111(a)(1)(B) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(1)(E)

(iii) Title 30 TAC § 111.111(a)(1)(F)(i), (ii), (iii), or (iv)

(iv) For emission units with vent emissions subject to 30 TAC § 111.111(a)(1)(B), complying with 30 TAC § 111.111(a)(1)(F)(ii), (iii), or (iv), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146. These periodic monitoring requirements do not apply to vents that are not capable of producing visible emissions such as vents that emit only colorless VOCs; vents from non-fuming liquids; vents that provide passive ventilation, such as plumbing vents; or vent emissions from any other source that does not obstruct the transmission of light. Vents, as specified in the “Applicable Requirements Summary” attachment, that are subject to the emission limitation of 30 TAC § 111.111(a)(1)(B) are not subject to the following periodic monitoring requirements:

(1) An observation of stationary vents from emission units in operation shall be conducted at least once during each calendar quarter unless the emission unit is not operating for the entire quarter.

(2) For stationary vents from a combustion source, if an alternative to the normally fired fuel is fired for a period greater than or equal to 24 consecutive hours, the permit holder shall conduct an observation of the stationary vent for each such period to determine if visible emissions are present. If such period is greater than 3 months, observations shall be conducted once during each quarter. Supplementing the normally fired fuel with natural gas or fuel gas to increase the net heating value to the minimum required value does not constitute creation of an alternative fuel.

(3) Records of all observations shall be maintained.

(4) Visible emissions observations of emission units operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of emission units operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(5) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(1) and (a)(1)(B).

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

(c) Some vents may be subject to multiple visible emission or monitoring requirements. All credible data must be considered when certifying compliance with this requirement even if the observation or monitoring was performed to demonstrate compliance with a different requirement.

B. For visible emissions from all other sources not specified in 30 TAC § 111.111(a)(1), (4), or (7); the permit holder shall comply with the following requirements:

(i) Title 30 TAC § 111.111(a)(8)(A) (relating to Requirements for Specified Sources)

(ii) Title 30 TAC § 111.111(a)(8)(B)(i) or (ii)

(iii) For a source subject to 30 TAC § 111.111(a)(8)(A), complying with 30 TAC § 111.111(a)(8)(B)(i) or (ii), and capable of producing visible emissions from, but not limited to, particulate matter, acid gases and NO_x, the permit holder shall also comply with the following periodic monitoring requirements for the purpose of annual compliance certification under 30 TAC § 122.146:

(1) An observation of visible emissions from a source which is required to comply with 30 TAC § 111.111(a)(8)(A) shall be conducted at least once during each calendar quarter unless the source is not operating for the entire quarter.

(2) Records of all observations shall be maintained.

(3) Visible emissions observations of sources operated during daylight hours shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations of sources operated only at night must be made with additional lighting and the temporary installation of contrasting backgrounds. Visible emissions shall be determined with each source in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each source during the observation. For outdoor locations, the observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume, as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations.

(4) Compliance Certification:

(a) If visible emissions are not present during the observation, the RO may certify that the source is in compliance with the applicable opacity requirement in 30 TAC § 111.111(a)(8) and (a)(8)(A)

(b) However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2) or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(8)(B) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.

C. Certification of opacity readers determining opacities under Method 9 (as outlined in 40 CFR Part 60, Appendix A) to comply with opacity monitoring requirements shall be

accomplished by completing the Visible Emissions Evaluators Course, or approved agency equivalent, no more than 180 days before the opacity reading.

D. For emission units with contributions from uncombined water, the permit holder shall comply with the requirements of 30 TAC § 111.111(b).

E. Emission limits on nonagricultural processes, except for the steam generators specified in 30 TAC § 111.153, shall comply with the following requirements:

(i) Emissions of PM from any source may not exceed the allowable rates as required in 30 TAC § 111.151(a) (relating to Allowable Emissions Limits)

(ii) Sources with an effective stack height (h_e) less than the standard effective stack height (H_e), must reduce the allowable emission level by multiplying it by $[h_e/H_e]^2$ as required in 30 TAC § 111.151(b)

(iii) Effective stack height shall be calculated by the equation specified in 30 TAC § 111.151(c)

F. Outdoor burning, as stated in 30 TAC § 111.201, shall not be authorized unless the following requirements are satisfied:

(i) Title 30 TAC § 111.205 (relating to Exception for Fire Training)

(ii) Title 30 TAC § 111.207 (relating to Exception for Recreation, Ceremony, Cooking, and Warmth)

(iii) Title 30 TAC § 111.219 (relating to General Requirements for Allowable Outdoor Burning)

(iv) Title 30 TAC § 111.221 (relating to Responsibility for Consequences of Outdoor Burning)

4. The permit holder shall comply with the following 30 TAC Chapter 115, Subchapter F requirements (relating to Cutback Asphalt Requirements):

A. Title 30 TAC § 115.512(2) (relating to Control Requirements)

B. Title 30 TAC § 115.512(3) (relating to Control Requirements)

C. Title 30 TAC § 115.517(1) (relating to Exemptions), for long-life stockpiling

D. Title 30 TAC § 115.517(2) (relating to Exemptions), for penetrating prime coat use only

5. The permit holder shall comply with the following requirements for units subject to any subpart of 40 CFR Part 60, unless otherwise stated in the applicable subpart:

A. Title 40 CFR § 60.7 (relating to Notification and Recordkeeping)

B. Title 40 CFR § 60.8 (relating to Performance Tests)

C. Title 40 CFR § 60.11 (relating to Compliance with Standards and Maintenance Requirements)

D. Title 40 CFR § 60.12 (relating to Circumvention)

E. Title 40 CFR § 60.13 (relating to Monitoring Requirements)

F. Title 40 CFR § 60.14 (relating to Modification)

G. Title 40 CFR § 60.15 (relating to Reconstruction)

H. Title 40 CFR § 60.19 (relating to General Notification and Reporting Requirements)

6. The permit holder shall comply with certified registrations submitted to the TCEQ for purposes of establishing federally enforceable emission limits. A copy of the certified registration shall be maintained with the permit. Records sufficient to demonstrate compliance with the established limits shall be maintained. The certified registration and records demonstrating compliance shall be provided, on request, to representatives of the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction over the site. The permit holder shall submit updated certified registrations when changes at the site require establishment of new emission limits. If changes result in emissions that do not remain below major source thresholds, the permit holder shall submit a revision application to codify the appropriate requirements in the permit.

Additional Monitoring Requirements

7. Unless otherwise specified, the permit holder shall comply with the compliance assurance monitoring requirements as specified in the attached "CAM Summary" upon issuance of the permit. In addition, the permit holder shall comply with the following:

   A. The permit holder shall comply with the terms and conditions contained in 30 TAC § 122.147 (General Terms and Conditions for Compliance Assurance Monitoring).

   B. The permit holder shall report, consistent with the averaging time identified in the "CAM Summary," deviations as defined by the deviation limit in the "CAM Summary." Any monitoring data below a minimum limit or above a maximum limit, that is collected in accordance with the requirements specified in 40 CFR § 64.7(c), shall be reported as a deviation. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

   C. The permit holder may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "CAM Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances in order to avoid reporting deviations. All monitoring data shall be collected in accordance with the requirements specified in 40 CFR § 64.7(c).

   D. The permit holder shall operate the monitoring, identified in the attached "CAM Summary," in accordance with the provisions of 40 CFR § 64.7.

   E. The permit holder shall comply with the requirements of 40 CFR § 70.6(a)(3)(ii)(A) and 30 TAC § 122.144(1)(A)-(F) for documentation of all required inspections.

8. The permit holder shall comply with the periodic monitoring requirements as specified in the attached "Periodic Monitoring Summary" upon issuance of the permit. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the permit holder shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. The permit holder

may elect to collect monitoring data on a more frequent basis and average the data, consistent with the averaging time specified in the "Periodic Monitoring Summary," for purposes of determining whether a deviation has occurred. However, the additional data points must be collected on a regular basis. In no event shall data be collected and used in particular instances to avoid reporting deviations. Deviations shall be reported according to 30 TAC § 122.145 (Reporting Terms and Conditions).

New Source Review Authorization Requirements

9. Permit holder shall comply with the requirements of New Source Review authorizations issued or claimed by the permit holder for the permitted area, including permits, permits by rule, standard permits, flexible permits, special permits, permits for existing facilities including Voluntary Emissions Reduction Permits and Electric Generating Facility Permits issued under 30 TAC Chapter 116, Subchapter I, or special exemptions referenced in the New Source Review Authorization References attachment. These requirements:

    A. Are incorporated by reference into this permit as applicable requirements

    B. Shall be located with this operating permit

    C. Are not eligible for a permit shield

10. The permit holder shall comply with the general requirements of 30 TAC Chapter 106, Subchapter A or the general requirements, if any, in effect at the time of the claim of any PBR.

11. The permit holder shall maintain records to demonstrate compliance with any emission limitation or standard that is specified in a permit by rule (PBR) or Standard Permit listed in the New Source Review Authorizations attachment. The records shall yield reliable data from the relevant time period that are representative of the emission unit's compliance with the PBR or Standard Permit. These records may include, but are not limited to, production capacity and throughput, hours of operation, safety data sheets (SDS), chemical composition of raw materials, speciation of air contaminant data, engineering calculations, maintenance records, fugitive data, performance tests, capture/control device efficiencies, direct pollutant monitoring (CEMS, COMS, or PEMS), or control device parametric monitoring. These records shall be made readily accessible and available as required by 30 TAC § 122.144. Any monitoring or recordkeeping data indicating noncompliance with the PBR or Standard Permit shall be considered and reported as a deviation according to 30 TAC § 122.145 (Reporting Terms and Conditions).

Compliance Requirements

12. The permit holder shall certify compliance in accordance with 30 TAC § 122.146. The permit holder shall comply with 30 TAC § 122.146 using at a minimum, but not limited to, the continuous or intermittent compliance method data from monitoring, recordkeeping, reporting, or testing required by the permit and any other credible evidence or information. The certification period may not exceed 12 months and the certification must be submitted within 30 days after the end of the period being certified.

13. Permit holder shall comply with the following 30 TAC Chapter 117 requirements:

    A. The permit holder shall comply with the compliance schedules and submit written notification to the Executive Director as required in 30 TAC Chapter 117, Subchapter H, Division 1:

        (i) For electric utilities in the Dallas-Fort Worth Eight-Hour Nonattainment area, 30 TAC § 117.9130

14. Use of Emission Credits to comply with applicable requirements:

A. Unless otherwise prohibited, the permit holder may use emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) Offsets for Title 30 TAC Chapter 116

B. The permit holder shall comply with the following requirements in order to use the emission credits to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.306(c)-(d)

(ii) The emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 1

(iii) The executive director has approved the use of the credit according to 30 TAC § 101.306(c)-(d)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.302(g) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.305 (relating to Emission Reductions Achieved Outside the United States)

15. Use of Discrete Emission Credits to comply with the applicable requirements:

A. Unless otherwise prohibited, the permit holder may use discrete emission credits to comply with the following applicable requirements listed elsewhere in this permit:

(i) Title 30 TAC Chapter 115

(ii) Title 30 TAC Chapter 117

(iii) If applicable, offsets for Title 30 TAC Chapter 116

(iv) Temporarily exceed state NSR permit allowables

B. The permit holder shall comply with the following requirements in order to use the credit to comply with the applicable requirements:

(i) The permit holder must notify the TCEQ according to 30 TAC § 101.376(d)

(ii) The discrete emission credits to be used must meet all the geographic, timeliness, applicable pollutant type, and availability requirements listed in 30 TAC Chapter 101, Subchapter H, Division 4

(iii) The executive director has approved the use of the discrete emission credits according to 30 TAC § 101.376(d)(1)(A)

(iv) The permit holder keeps records of the use of credits towards compliance with the applicable requirements in accordance with 30 TAC § 101.372(h) and 30 TAC Chapter 122

(v) Title 30 TAC § 101.375 (relating to Emission Reductions Achieved Outside the United States)

Risk Management Plan

16. For processes subject to 40 CFR Part 68 and specified in 40 CFR § 68.10, the permit holder shall comply with the requirements of the Accidental Release Prevention Provisions in 40 CFR Part 68. The permit holder shall submit to the appropriate agency either a compliance schedule for meeting the requirements of 40 CFR Part 68 by the date provided in 40 CFR § 68.10(a), or as part of the compliance certification submitted under this permit, a certification statement that the source is in compliance with all requirements of 40 CFR Part 68, including the registration and submission of a risk management plan.

Protection of Stratospheric Ozone

17. Permit holders at a site subject to Title VI of the FCAA Amendments shall meet the following requirements for protection of stratospheric ozone:

A. Any on site servicing, maintenance, and repair on refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants or non-exempt substitutes shall be conducted in accordance with 40 CFR Part 82, Subpart F. Permit holders shall ensure that repairs on or refrigerant removal from refrigeration and nonmotor vehicle air-conditioning appliances using ozone-depleting refrigerants are performed only by properly certified technicians using certified equipment. Records shall be maintained as required by 40 CFR Part 82, Subpart F.

Permit Location

18. The permit holder shall maintain a copy of this permit and records related to requirements listed in this permit on site.

Permit Shield (30 TAC § 122.148)

19. A permit shield is granted for the emission units, groups, or processes specified in the attached "Permit Shield." Compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements listed in the attachment "Permit Shield." Permit shield provisions shall not be modified by the executive director until notification is provided to the permit holder. No later than 90 days after notification of a change in a determination made by the executive director, the permit holder shall apply for the appropriate permit revision to reflect the new determination. Provisional terms are not eligible for this permit shield. Any term or condition, under a permit shield, shall not be protected by the permit shield if it is replaced by a provisional term or condition or the basis of the term and condition changes.

Acid Rain Permit Requirements

20. For units STACK1 and STACK2 (identified in the Certificate of Representation as units GT-1 and GT-2) located at the affected source identified by ORIS/Facility code 55320, the designated representative and the owner or operator, as applicable, shall comply with the following Acid Rain Permit requirements.

A. General Requirements

(i) Under 30 TAC § 122.12(1) and 40 CFR Part 72, the Acid Rain Permit requirements contained here are a separable portion of the Federal Operating Permit (FOP) and have an independent public comment process which may be separate from, or combined with the FOP.

(ii) The owner and operator shall comply with the requirements of 40 CFR Part 72 and 40 CFR Part 76. Any noncompliance with the Acid Rain Permit will be considered noncompliance with the FOP and may be subject to enforcement action.

(iii) The owners and operators of the affected source shall operate the source and the unit in compliance with the requirements of this Acid Rain Permit and all other applicable State and federal requirements.

(iv) The owners and operators of the affected source shall comply with the General Terms and Conditions of the FOP that incorporates this Acid Rain Permit.

(v) The term for the Acid Rain permit shall commence with the issuance of the FOP that incorporates the Acid Rain permit and shall be run concurrent with the remainder of the term of the FOP. Renewal of the Acid Rain permit shall coincide with the renewal of the FOP that incorporates the Acid Rain permit and subsequent terms shall be no more than five years from the date of renewal of the FOP and run concurrent with the permit term of the FOP.

B. Monitoring Requirements

(i) The owners and operators, and the designated representative, of the affected source and each affected unit at the source shall comply with the monitoring requirements contained 40 CFR Part 75.

(ii) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 and any other credible evidence shall be used to determine compliance by the affected source with the acid rain emissions limitations and emissions reduction requirements for SO_2 and NO_x under the ARP.

(iii) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emission of other pollutants or other emissions characteristics at the unit under other applicable requirements of the FCAA Amendments (42 U.S.C. 7401, as amended November 15, 1990) and other terms and conditions of the operating permit for the source.

C. SO_2 emissions requirements

(i) The owners and operators of each source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for SO_2.

(ii) As of the allowance transfer deadline the owners and operators of the affected source and each affected unit at the source shall hold, in the unit's compliance subaccount, allowances in an amount not less than the total annual emissions of SO_2 for the previous calendar year.

(iii) Each ton of SO_2 emitted in excess of the acid rain emissions limitations for SO_2 shall constitute a separate violation of the FCAA amendments.

(iv) An affected unit shall be subject to the requirements under (i) and (ii) of the SO_2 emissions requirements as follows:

(1) Starting January 1, 2000, an affected unit under 40 CFR § 72.6(a)(2); or

(2) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR Part 75, an affected unit under 40 CFR § 72.6(a)(3).

(v) Allowances shall be held in, deducted from, or transferred into or among Allowance Tracking System accounts in accordance with the requirements of the ARP.

(vi) An allowance shall not be deducted, for compliance with the requirements of this permit, in a calendar year before the year for which the allowance was allocated.

(vii) An allowance allocated by the EPA Administrator or under the ARP is a limited authorization to emit SO_2 in accordance with the ARP. No provision of the ARP, Acid Rain permit application, this Acid Rain Permit, or an exemption under 40 CFR §§ 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.

(viii) An allowance allocated by the EPA Administrator under the ARP does not constitute a property right.

D. NO_x Emission Requirements

(i) The owners and operators of the source and each affected unit at the source shall comply with the applicable acid rain emissions limitations for NO_x under 40 CFR Part 76.

E. Excess emissions requirements for SO_2 and NO_x.

(i) The designated representative of an affected unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.

(ii) If an affected source has excess emissions in any calendar year shall, as required by 40 CFR Part 77:

(1) Pay, without demand, the penalty required and pay, upon demand, the interest on that penalty.

(2) Comply with the terms of an approved offset plan.

F. Recordkeeping and Reporting Requirements

(i) Unless otherwise provided, the owners and operators of the affected source and each affected unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the permitting authority or the EPA Administrator.

(1) The certificate of representation for the designated representative for the source and each affected unit and all documents that demonstrate the

truth of the statements in the certificate of representation, in accordance with 40 CFR § 72.24; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping (rather than a five-year period cited in 30 TAC § 122.144), the 3-year period shall apply.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under the ARP or relied upon for compliance certification.

(4) Copies of all documents used to complete an acid rain permit application and any other submission under the ARP or to demonstrate compliance with the requirements of the ARP.

(ii) The designated representative of an affected source and each affected unit at the source shall submit the reports required under the ARP including those under 40 CFR Part 72, Subpart I and 40 CFR Part 75.

G. Liability

(i) Any person who knowingly violates any requirement or prohibition of the ARP, a complete acid rain permit application, an acid rain permit, or a written exemption under 40 CFR §§ 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to FCAA § 113(c).

(ii) Any person who knowingly makes a false, material statement in any record, submission, or report under the ARP shall be subject to criminal enforcement pursuant to FCAA § 113(c) and 18 U.S.C. 1001.

(iii) No permit revision shall excuse any violation of the requirements of the ARP that occurs prior to the date that the revision takes effect.

(iv) The affected source and each affected unit shall meet the requirements of the ARP contained in 40 CFR Parts 72 through 78.

(v) Any provision of the ARP that applies to an affected source or the designated representative of an affected source shall also apply to the owners and operators of such source and of the affected units at the source.

(vi) Any provision of the ARP that applies to an affected unit (including a provision applicable to the DR of an affected unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR § 72.44 (Phase II repowering extension plans) and 40 CFR § 76.11 (NO_x averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR §§ 75.16, 75.17, and 75.18), the owners and operators and the DR of one affected unit shall not be liable for any violation by any other affected unit of which they are not owners or operators or the DR and that is located at a source of which they are not owners or operators or the DR.

(vii) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an affected source or affected unit, or by an owner or operator or DR of such source or unit, shall be a separate violation of the FCAA Amendments.

H. Effect on other authorities. No provision of the ARP, an acid rain permit application, an acid rain permit, or an exemption under 40 CFR §§ 72.7 or 72.8 shall be construed as:

(i) Except as expressly provided in Title IV of the FCAA Amendments, exempting or excluding the owners and operators and, to the extent applicable, the DR of an affected source or affected unit from compliance with any other provision of the FCAA Amendments, including the provisions of Title I of the FCAA Amendments relating to applicable National Ambient Air Quality Standards or State Implementation Plans.

(ii) Limiting the number of allowances a unit can hold; provided, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the FCAA Amendments.

(iii) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law.

(iv) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(v) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

I. The number of SO_2 allowances allocated by the EPA in 40 CFR Part 73 is enforceable only by the EPA Administrator.

Cross-State Air Pollution Rule (CSAPR) Trading Program Requirements

21. For units STACK1 and STACK2 (identified in the Certificate of Representation as units GT-1 and GT-2), located at the site identified by Plant code/ORIS/Facility code 55320, the designated representative and the owner or operator, as applicable, shall comply with the following CSAPR requirements.

A. General Requirements

(i) The owners and operators of the CSAPR NO_x source shall operate the source and the unit in compliance with the requirements of the applicable CSAPR Trading Programs and all other applicable State and federal requirements.

(ii) The owners and operators of the CSAPR NO_x source shall comply with the requirements of 40 CFR Part 97, Subpart EEEEE for CSAPR NO_x Ozone Season Group 2 Trading Program, and with the General Terms and Conditions of the Federal Operating Permit (FOP) that incorporates the CSAPR requirements.

B. Description of CSAPR Monitoring Provisions

(i) The CSAPR subject units, and the unit-specific monitoring provisions at this source, are identified in the following paragraphs. These units are subject to the requirements for the CSAPR NO_x Ozone Season Group 2 Trading Program.

(1) For units STACK1 and STACK2, the owners and operators shall comply with the continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR Part 75, Subpart H for NO_x, and with the excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR Part 75, Appendix D for heat input.

(ii) The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR §§ 97.830 through 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable CSAPR trading program.

(iii) Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR §§ 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at https://www.epa.gov/airmarkets/clean-air-markets-monitoring-plans-part-75-sources.

(iv) Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR Part 75, Subpart E and 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(v) Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR § 75.66 and § 97.835 (CSAPR NO_x Ozone Season Group 2 Trading Program). The Administrator's response approving or disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on the EPA's website at https://www.epa.gov/airmarkets/part-75-petition-responses.

(vi) The descriptions of monitoring applicable to the unit included above meet the requirement of 40 CFR §§ 97.830 through 97.834 (CSAPR NO_x Ozone Season Group 2 Trading Program), and therefore procedures for minor permit revisions, in accordance with 30 TAC § 122.217, may be used to add or change this unit's monitoring system description.

22. CSAPR NO_x Ozone Season Group 2 Trading Program Requirements (40 CFR § 97.806)

A. Designated representative requirements

(i) The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR §§ 97.813 through 97.818.

B. Emissions monitoring, reporting, and recordkeeping requirements

(i) The owners and operators, and the designated representative, of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR § 97.830 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), § 97.831 (initial monitoring system certification and recertification procedures), § 97.832 (monitoring system out-of-control periods), § 97.833 (notifications concerning monitoring), § 97.834 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and § 97.835 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).

(ii) The emissions data determined in accordance with 40 CFR § 97.830 through § 97.835 and any other credible evidence shall be used to calculate allocations of CSAPR NO_x Ozone Season Group 2 allowances under 40 CFR §§ 97.811 (a)(2) and (b) and § 97.812 and to determine compliance with the CSAPR NO_x Ozone Season Group 2 emissions limitation and assurance provisions under paragraph C. below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR §§ 97.830 through 97.835 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.

C. NO_x emissions requirements

(i) CSAPR NO_x Ozone Season Group 2 emissions limitation

(1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold, in the source's compliance account, CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.824 (a) in an amount not less than the tons of total NO_x emissions for such control period from all CSAPR NO_x Ozone Season Group 2 units at the source.

(2) If total NO_x emissions during a control period in a given year from the CSAPR NO_x Ozone Season Group 2 units at a CSAPR NO_x Ozone Season Group 2 source are in excess of the CSAPR NO_x Ozone Season Group 2 emissions limitation set forth in paragraph C.(i)(1) above, then:

(a) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall hold the CSAPR NO_x Ozone Season Group 2 allowances required for deduction under 40 CFR § 97.824 (d); and

(b) The owners and operators of the source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control

period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(ii) CSAPR NO_x Ozone Season Group 2 assurance provisions

(1) If total NO_x emissions during a control period in a given year from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO_x emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) CSAPR NO_x Ozone Season Group 2 allowances available for deduction for such control period under 40 CFR § 97.825 (a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR § 97.825 (b), of multiplying -

(a) The quotient of the amount by which the common designated representative's share of such NO_x emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state for such control period, by which each common designated representative's share of such NO_x emissions exceeds the respective common designated representative's assurance level; and

(b) The amount by which total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state for such control period exceed the state assurance level.

(2) The owners and operators shall hold the CSAPR NO_x Ozone Season Group 2 allowances required under paragraph C.(ii)(1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.

(3) Total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period in a given year exceed the state assurance level if such total NO_x emissions exceed the sum, for such control period, of the state NO_x Ozone Season Group 2 trading budget under 40 CFR § 97.810 (a) and the state's variability limit under 40 CFR § 97.810 (b).

(4) It shall not be a violation of 40 CFR Part 97, Subpart EEEEE or of the Clean Air Act if total NO_x emissions from all CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone Season Group 2 sources in the state during a control period exceed the state assurance level or if a common designated representative's share of total NO_x emissions from the CSAPR NO_x Ozone Season Group 2 units at CSAPR NO_x Ozone

Season Group 2 sources in the state during a control period exceeds the common designated representative's assurance level.

(5) To the extent the owners and operators fail to hold CSAPR NO_x Ozone Season Group 2 allowances for a control period in a given year in accordance with paragraphs C.(ii)(1) through (3) above,

(a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and

(b) Each CSAPR NO_x Ozone Season Group 2 allowance that the owners and operators fail to hold for such control period in accordance with paragraphs C.(ii)(1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR Part 97, Subpart EEEEE and the Clean Air Act.

(iii) Compliance periods

(1) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(i) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(2) A CSAPR NO_x Ozone Season Group 2 unit shall be subject to the requirements under paragraph C.(ii) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR § 97.830 (b) and for each control period thereafter.

(iv) Vintage of allowances held for compliance

(1) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraph C.(i)(1) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for such control period or a control period in a prior year.

(2) A CSAPR NO_x Ozone Season Group 2 allowance held for compliance with the requirements under paragraphs C.(i)(2)(a) and (ii)(1) through (3) above for a control period in a given year must be a CSAPR NO_x Ozone Season Group 2 allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.

(v) Allowance Management System requirements. Each CSAPR NO_x Ozone Season Group 2 allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR Part 97, Subpart EEEEE.

(vi) Limited authorization. A CSAPR NO_x Ozone Season Group 2 allowance is a limited authorization to emit one ton of NO_x during the control period in one year. Such authorization is limited in its use and duration as follows:

(1) Such authorization shall only be used in accordance with the CSAPR NO_x Ozone Season Group 2 Trading Program; and

(2) Notwithstanding any other provision of 40 CFR Part 97, Subpart EEEEE, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.

(vii) Property right. A CSAPR NO_x Ozone Season Group 2 allowance does not constitute a property right.

D. FOP revision requirements

(i) No FOP revision shall be required for any allocation, holding, deduction, or transfer of CSAPR NO_x Ozone Season Group 2 allowances in accordance with 40 CFR Part 97, Subpart EEEEE.

(ii) This FOP incorporates the CSAPR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR §§ 97.830 through 97.835, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR Part 75, subpart H), an excepted monitoring system (pursuant to 40 CFR Part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR § 75.19), and an alternative monitoring system (pursuant to 40 CFR Part 75, subpart E). Therefore the Description of CSAPR Monitoring Provisions for CSAPR subject unit(s) may be added to, or changed, in this FOP using procedures for minor permit revisions in accordance with 30 TAC § 122.217.

E. Additional recordkeeping and reporting requirements

(i) Unless otherwise provided, the owners and operators of each CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.

(1) The certificate of representation under 40 CFR § 97.816 for the designated representative for the source and each CSAPR NO_x Ozone Season Group 2 unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR § 97.816 changing the designated representative.

(2) All emissions monitoring information, in accordance with 40 CFR Part 97, Subpart EEEEE.

(3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the CSAPR NO_x Ozone Season Group 2 Trading Program.

(ii) The designated representative of a CSAPR NO_x Ozone Season Group 2 source and each CSAPR NO_x Ozone Season Group 2 unit at the source shall make all submissions required under the CSAPR NO_x Ozone Season Group 2 Trading Program, except as provided in 40 CFR § 97.818. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under 30 TAC § 122.165.

F. Liability

(i) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 source or the designated representative of a CSAPR NO_x Ozone Season Group 2 source shall also apply to the owners and operators of such source and of the CSAPR NO_x Ozone Season Group 2 units at the source.

(ii) Any provision of the CSAPR NO_x Ozone Season Group 2 Trading Program that applies to a CSAPR NO_x Ozone Season Group 2 unit or the designated representative of a CSAPR NO_x Ozone Season Group 2 unit shall also apply to the owners and operators of such unit.

G. Effect on other authorities

(i) No provision of the CSAPR NO_x Ozone Season Group 2 Trading Program or exemption under 40 CFR § 97.805 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a CSAPR NO_x Ozone Season Group 2 source or CSAPR NO_x Ozone Season Group 2 unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.

Attachments

Applicable Requirements Summary

Additional Monitoring Requirements

Permit Shield

New Source Review Authorization References

Applicable Requirements Summary

Note: A “none” entry may be noted for some emission sources in this permit’s “Applicable Requirements Summary” under the heading of “Monitoring and Testing Requirements” and/or “Recordkeeping Requirements” and/or “Reporting Requirements.” Such a notation indicates that there are no requirements for the indicated emission source as identified under the respective column heading(s) for the stated portion of the regulation when the emission source is operating under the conditions of the specified SOP Index Number. However, other relevant requirements pursuant to 30 TAC Chapter 122 including Recordkeeping Terms and Conditions (30 TAC § 122.144), Reporting Terms and Conditions (30 TAC § 122.145), and Compliance Certification Terms and Conditions (30 TAC § 122.146) continue to apply.

Unit Summary

Unit/Group/ Process ID No.	Unit Type	Group/Inclusive Units	SOP Index No.	Regulation	Requirement Driver
CONDLDG	LOADING/UNLOADING OPERATIONS	N/A	115C1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
CT-1	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
CT-1	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	N/A	115B2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
DIESELULDG	LOADING/UNLOADING OPERATIONS	N/A	115C1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
GRP-OILRES	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	CTSO1V, CTSO2V, STSO1V, TOMV1, TOMV2, TOMV3	115B2	30 TAC Chapter 115, Vent Gas Controls	No changing attributes.
GRPSTACK	EMISSION POINTS/ STATIONARY VENTS/ PROCESS VENTS	STACK1, STACK2	R1111-1	30 TAC Chapter 111, Visible Emissions	No changing attributes.
GRPSTACK	STATIONARY TURBINES	STACK1, STACK2	117C4	30 TAC Chapter 117, Utility Electric Generation	No changing attributes.
GRPSTACK	BOILERS/STEAM GENERATORS/STEAM GENERATING UNITS	STACK1, STACK2	60Db-1	40 CFR Part 60, Subpart Db	No changing attributes.
GRPSTACK	STATIONARY TURBINES	STACK1, STACK2	60GG-1	40 CFR Part 60, Subpart GG	No changing attributes.
LUBEULDG	LOADING/UNLOADING OPERATIONS	N/A	115C1	30 TAC Chapter 115, Loading and Unloading of VOC	No changing attributes.
PARTSWASH	SOLVENT DEGREASING MACHINES	N/A	115E1	30 TAC Chapter 115, Degreasing Processes	No changing attributes.
SOLVCLEAN	CLEANING/DEPAINTING OPERATION	N/A	115E6	30 TAC Chapter 115, Subchapter E, Division 6	No changing attributes.

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
CONDLDG	EU	115C1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
CT-1	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
CT-1	EP	115B2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
DIESELULDG	EU	115C1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRP-OILRES	EP	115B2	VOC	30 TAC Chapter 115, Vent Gas Controls	§ 115.127(a)(2)(A) [G]§ 115.122(a)(4) § 115.127(a)(2)	A vent gas stream having a combined weight of volatile organic compounds (VOC) equal to or less than 100 pounds in any continuous 24-hour period is exempt from §115.121(a)(1) of this title.	[G]§ 115.125 § 115.126(2)	§ 115.126 § 115.126(2) § 115.126(4)	None
GRPSTACK	EP	R1111-1	PM (Opacity)	30 TAC Chapter 111, Visible Emissions	§ 111.111(a)(1)(C) § 111.111(a)(1)(E)	Visible emissions from any stationary vent shall not exceed an opacity of 15% averaged over a six minute period for any source with a total flow rate of at least 100,000 acfm unless a CEMS is installed.	[G]§ 111.111(a)(1)(F) ** See Periodic Monitoring Summary	None	None
GRPSTACK	EU	117C4	CO	30 TAC Chapter 117, Utility Electric Generation	§ 117.1310(b)(2) § 117.1310(b) § 117.1340(m)	The owner or operator of any stationary gas turbine with a MW rating greater than or equal to 10 MW subject to the emission specifications of subsection (a) of this section shall not allow CO emissions in excess of a block one-hour average of 132 ppmv at 15% O_2 , dry basis.	§ 117.1335(a) § 117.1335(a)(1) § 117.1335(a)(3) § 117.1335(c) § 117.1340(b) § 117.1340(d) § 117.1340(h)(2) § 117.1340(i) § 117.1340(i)(1) § 117.8000(a) § 117.8000(b) § 117.8000(c)(2) [G]§ 117.8110(a) § 117.8120(1) § 117.8120(1)(A)	§ 117.1345(a) [G]§ 117.1345(e)	§ 117.1335(b) [G]§ 117.1345(b) [G]§ 117.1345(c) [G]§ 117.1345(d) [G]§ 117.1350 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPSTACK	EU	117C4	NH_3	30 TAC Chapter 117, Utility Electric Generation	§ 117.1310(b)(3) § 117.1310(b) § 117.1310(b)(3)(B) § 117.1340(m)	The owner or operator of any unit subject to the emission specifications of subsection (a) of this section shall not allow emissions in excess of 10 ppmv, at 15% O_2, dry, for stationary gas turbines (including duct burners used in turbine exhaust ducts), that inject urea or ammonia into the exhaust stream for NO_X control.	§ 117.1335(a) § 117.1335(a)(2) § 117.1335(a)(3) § 117.1335(c) § 117.1340(c) § 117.1340(d) § 117.1340(h)(2) § 117.1340(i) § 117.1340(i)(1) § 117.8000(a) § 117.8000(b) § 117.8000(c)(4) [G]§ 117.8110(a) § 117.8130 § 117.8130(4)	§ 117.1345(a) [G]§ 117.1345(e)	§ 117.1335(b) [G]§ 117.1345(b) [G]§ 117.1345(c) [G]§ 117.1345(d) [G]§ 117.1350 § 117.8010 [G]§ 117.8010(1) § 117.8010(2) § 117.8010(2)(A) § 117.8010(2)(B) [G]§ 117.8010(3) § 117.8010(4) [G]§ 117.8010(5) § 117.8010(6) [G]§ 117.8010(7) [G]§ 117.8010(8)
GRPSTACK	EU	117C4	NO_X	30 TAC Chapter 117, Utility Electric Generation	§ 117.1310(a)(3)(A)(i) § 117.1310(a) § 117.1310(a)(3) § 117.1310(a)(3)(A) § 117.1340(m)	The owner or operator of any stationary gas turbine subject to this division shall not allow the discharge into the atmosphere, emissions of NO_X in excess of 42 parts per million by volume (ppmv) at 15% oxygen (O_2), dry basis, while firing natural gas.	§ 117.1335(a) § 117.1335(a)(1) § 117.1335(a)(3) § 117.1335(c) § 117.1335(d) § 117.1335(d)(3) § 117.1340(a) § 117.1340(d) § 117.1340(h) § 117.1340(h)(2) § 117.1340(i) § 117.1340(i)(1) § 117.8000(a) § 117.8000(b) § 117.8000(c)(1) [G]§ 117.8110(a)	§ 117.1345(a) [G]§ 117.1345(e)	§ 117.1335(b) [G]§ 117.1345(b) [G]§ 117.1345(c) [G]§ 117.1345(d) [G]§ 117.1350 [G]§ 117.8010

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPSTACK	EU	60Db-1	SO_2	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPSTACK	EU	60Db-1	PM	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPSTACK	EU	60Db-1	PM (OPACITY)	40 CFR Part 60, Subpart Db	§ 60.40b(a)	This subpart applies to each steam generating unit constructed, modified, or reconstructed after 6/19/84, and that has a heat input capacity from fuels combusted in the unit > 29 MW (100 MMBtu/hr).	None	[G]§ 60.49b(d) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3)
GRPSTACK	EU	60Db-1	NO_X	40 CFR Part 60, Subpart Db	§ 60.44b(l)(1) § 60.44b(h) § 60.44b(i) § 60.46b(a)	Affected facilities combusting coal, oil, or natural gas, or a mixture of these fuels, or any other fuels: a limit of 86 ng/JI (0.20 lb/million Btu) heat input unless the affected facility meets the specified requirements.	§ 60.46b(c) § 60.46b(f) § 60.46b(f)(2) [G]§ 60.48b(b) § 60.48b(c) § 60.48b(d) § 60.48b(e) [G]§ 60.48b(e)(2) § 60.48b(e)(3) § 60.48b(f)	[G]§ 60.48b(b) § 60.48b(c) [G]§ 60.49b(d) [G]§ 60.49b(g) § 60.49b(o)	§ 60.49b(a) § 60.49b(a)(1) § 60.49b(a)(3) § 60.49b(b)

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
GRPSTACK	EU	60GG-1	SO_2	40 CFR Part 60, Subpart GG	§ 60.333(b)	No stationary gas turbine shall burn any fuel which contains sulfur in excess of 0.8% by weight.	§ 60.334(h) § 60.334(h)(4)	None	None
GRPSTACK	EU	60GG-1	NO_X	40 CFR Part 60, Subpart GG	§ 60.332(a)(1) § 60.332(a)(3)	No owner or operator shall discharge into the atmosphere from any stationary gas turbine, any gases which contain nitrogen oxides in excess of the amount as determined from the specified equation.	§ 60.334(c) ** See CAM Summary	§ 60.334(c)	None
LUBEULDG	EU	115C1	VOC	30 TAC Chapter 115, Loading and Unloading of VOC	§ 115.217(a)(1) § 115.212(a)(2) § 115.214(a)(1)(B) § 115.214(a)(1)(D) § 115.214(a)(1)(D)(i)	Vapor pressure (at land-based operations). All land-based loading and unloading of VOC with a true vapor pressure less than 0.5 psia is exempt from the requirements of this division, except as specified.	§ 115.214(a)(1)(A) § 115.214(a)(1)(A)(i) § 115.215 § 115.215(4)	§ 115.216 § 115.216(2) § 115.216(3)(B)	None
PARTSWASH	EU	115E1	VOC	30 TAC Chapter 115, Degreasing Processes	§ 115.411(4)	An owner or operator who operates a remote reservoir cold solvent cleaner that uses solvent with a true vapor pressure equal to or less than 0.6 psia (4.1 kPa) measured at 100 degrees Fahrenheit (38 degrees Celsius) and that has a drain area less than 16 in2 (100 cm2) and who properly disposes of waste solvent in enclosed containers is exempt from §115.412(1) of this title.	None	§ 115.416 § 115.416(4) § 115.416(4)(B)	None

Applicable Requirements Summary

Unit Group Process ID No.	Unit Group Process Type	SOP Index No.	Pollutant	State Rule or Federal Regulation Name	Emission Limitation, Standard or Equipment Specification Citation	Textual Description (See Special Term and Condition 1.B.)	Monitoring And Testing Requirements	Recordkeeping Requirements (30 TAC § 122.144)	Reporting Requirements (30 TAC § 122.145)
SOLVCLEAN	PRO	115E6	VOC	30 TAC Chapter 115, Subchapter E, Division 6	§ 115.461(a) [G]§ 115.463(d)	Solvent cleaning operations located on a property with total actual volatile organic compounds (VOC) emissions of less than 3.0 tons per calendar year from all cleaning solvents, when uncontrolled, are exempt from the requirements of this division, except as specified in §115.468(b)(2) of this title. When calculating the VOC emissions, solvents used for cleaning operations that are exempt from this division under subsections (b)-(e) of this section are excluded.	None	§ 115.468(b)(2) § 115.468(b)(5)	None

Additional Monitoring Requirements

CAM Summary

Unit/Group/Process Information	
ID No.: GRPSTACK	
Control Device ID No.: SCR-1	Control Device Type: Selective Catalytic Reduction (SCR)
Control Device ID No.: SCR-2	Control Device Type: Selective Catalytic Reduction (SCR)
Applicable Regulatory Requirement	
Name: 40 CFR Part 60, Subpart GG	SOP Index No.: 60GG-1
Pollutant: NO_X	Main Standard: § 60.332(a)(1)
Monitoring Information	
Indicator: NO_X concentration	
Minimum Frequency: Every 15 minutes	
Averaging Period: Hourly	
Deviation Limit: 111 ppmvd at 15% O_2	
CAM Text: Computerized data acquisition and handling system (DAHS). Automatic daily calibration performed on CEMS. CEMS are housed in climate controlled metal shelters near the base of the stacks. DAHS is located in the plant control room. RATA test performed during initial certification and as an annual quality check. CEMS evaluated in a cyclical basis in accordance with QA/QC procedures of 40 CFR 60 Appendix F and 40 CFR 75, Appendix B.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: CT-1	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Opacity	
Minimum Frequency: Quarterly	
Averaging Period: Six minutes	
Deviation Limit: Minimum opacity of 15% (based on the limit in 30 TAC §111.111(a)(1)(C)) except during periods defined in 30 TAC §111.111(a)(1)(E).	
Periodic Monitoring Text: Visible emissions observations shall be made and recorded at least once during each calendar quarter unless the emission unit venting to this emission point does not operate during the quarter. Records of all observations shall be maintained. Visible emissions observations shall be conducted no earlier than one hour after sunrise and no later than one hour before sunset. Visible emissions observations shall be made during times when the activities described in 30 TAC § 111.111(a)(1)(E) are not taking place. Visible emissions shall be determined with each stationary vent in clear view of the observer. The observer shall be at least 15 feet, but not more than 0.25 mile, away from each stationary vent during the observation. The observer shall select a position where the sun is not directly in the observer's eyes. When condensed water vapor is present within the plume as it emerges from the emissions outlet, observations must be made beyond the point in the plume at which condensed water vapor is no longer visible. When water vapor within the plume condenses and becomes visible at a distance from the emissions outlet, the observation shall be evaluated at the outlet prior to condensation of water vapor. A certified opacity reader is not required for visible emissions observations. If visible emissions are not present during the observation, the RO may certify that the source is in compliance. However, if visible emissions are present during the observation, the permit holder shall either list this occurrence as a deviation on the next deviation report, as required under 30 TAC § 122.145(2), or conduct the appropriate opacity test specified in 30 TAC § 111.111(a)(1)(F) as soon as practicable, but no later than 24 hours after observing visible emissions to determine if the source is in compliance with the opacity requirements. If an opacity test is performed and the source is determined to be in compliance, the RO may certify that the source is in compliance with the applicable opacity requirement. However, if an opacity test is performed and the source is determined to be out of compliance, the permit holder shall list this occurrence as a deviation on the next deviation report as required under 30 TAC § 122.145(2). The opacity test must be performed by a certified opacity reader.	

Periodic Monitoring Summary

Unit/Group/Process Information	
ID No.: GRPSTACK	
Control Device ID No.: N/A	Control Device Type: N/A
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 111, Visible Emissions	SOP Index No.: R1111-1
Pollutant: PM (Opacity)	Main Standard: § 111.111(a)(1)(C)
Monitoring Information	
Indicator: Fuel Type	
Minimum Frequency: Annually	
Averaging Period: n/a	
Deviation Limit: If fuel other than natural gas is combusted	
Periodic Monitoring Text: Record the type of fuel used by the unit. If an alternate fuel is fired, either alone or in combination with the specified gas, it shall be considered and reported as a deviation.	

Permit Shield

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
COND-TK	N/A	40 CFR Part 60, Subpart Kb	The collection tank has a storage capacity less than 75 m3 and is therefore not subject to these requirements.
CT-1	N/A	40 CFR Part 63, Subpart Q	Site is not a major source HAPs; chromium-based chemicals are not used in the cooling tower.
GRP-LUBETK	CTLO1, CTLO2, CTSO1, CTSO2, STLO1, STSO1	30 TAC Chapter 115, Storage of VOCs	These oil reservoirs are process tanks and are therefore excluded from the definition of storage tanks in 30 TAC §115.110(b)(12).
GRP-LUBETK	CTLO1, CTLO2, CTSO1, CTSO2, STLO1, STSO1	40 CFR Part 60, Subpart Kb	These oil reservoirs are process tanks and are therefore excluded from the definition of storage vessels in 40 CFR §60.111b.
GRPSTACK	STACK1, STACK2	30 TAC Chapter 115, Vent Gas Controls	The combustion units' exhaust streams are not being used as control devices for any vent gas streams which are subject to this division and which originate from non-combustion sources.
GRPSTACK	STACK1, STACK2	40 CFR Part 60, Subpart KKKK	The combustion turbines were constructed before February 18, 2005.
GRPSTACK	STACK1, STACK2	40 CFR Part 63, Subpart JJJJJJ	HRSG duct burners are not subject to these requirements because the definition of boiler in 40 CFR §63.11237 excludes waste heat boilers.
GRPSTACK	STACK1, STACK2	40 CFR Part 63, Subpart YYYY	Site is not a major source of HAPs; therefore MACT YYYY is not applicable.

Permit Shield

The Executive Director of the TCEQ has determined that the permit holder is not required to comply with the specific regulation(s) identified for each emission unit, group, or process in this table.

Unit/Group/Process		Regulation	Basis of Determination
ID No.	Group/Inclusive Units		
MAINTPAINT	N/A	40 CFR Part 63, Subpart HHHHHH	The site does not use methylene chloride to conduct paint stripping operations, nor does the site conduct any painting other than for facility maintenance, as defined in 40 CFR §63.11180
MAINTPAINT	N/A	40 CFR Part 63, Subpart MMMM	Not located at a major source of HAPs
PARTSWASH	N/A	40 CFR Part 63, Subpart T	Cleaner does not use halogenated solvents
SEPARATOR	N/A	30 TAC Chapter 115, Storage of VOCs	The separator is a process tank and is not a storage tank under 30 TAC §115.110(a)
SEPARATOR	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is less than 75 m3
SEPARATOR	N/A	40 CFR Part 63, Subpart VV	This standard is not referenced by any other subpart of 40CFR Parts 60, 61, or 63
TANK15	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is less than 75 m3
TANK16	N/A	30 TAC Chapter 115, Storage of VOCs	The tank does not store materials containing VOC.
TANK16	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is less than 75 m3
TANK17	N/A	40 CFR Part 60, Subpart Kb	Storage capacity is less than 75 m3

New Source Review Authorization References

New Source Review Authorization References

The New Source Review authorizations listed in the table below are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Prevention of Significant Deterioration (PSD) Permits	
PSD Permit No.: PSDTX958	Issuance Date: 12/29/2011
Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 42734	Issuance Date: 12/29/2011
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.144	Version No./Date: 09/04/2000
Number: 106.227	Version No./Date: 09/04/2000
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.265	Version No./Date: 09/04/2000
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.412	Version No./Date: 09/04/2000
Number: 106.452	Version No./Date: 09/04/2000
Number: 106.454	Version No./Date: 11/01/2001
Number: 106.472	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000
Number: 106.511	Version No./Date: 09/04/2000
Number: 106.531	Version No./Date: 09/04/2000
Number: 106.532	Version No./Date: 09/04/2000

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
CONDLDG	COLLECTION TANK - TRUCK LOADING	106.472/09/04/2000
COND-TK	COLLECTION TANK - DILUTE CONDENSATE	106.472/09/04/2000
CT-1	COOLING TOWER	42734, PSDTX958
CTLO1	COMBUSTION TURBINE 1 LUBE OIL RESERVOIR	42734, PSDTX958
CTLO2	COMBUSTION TURBINE 2 LUBE OIL RESERVOIR	42734, PSDTX958
CTSO1	COMBUSTION TURBINE 1 SEAL OIL RESERVOIR	106.261/11/01/2003
CTSO1V	VENT - COMBUSTION TURBINE 1 SEAL OIL RESERVOIR	106.261/11/01/2003
CTSO2	COMBUSTION TURBINE 2 SEAL OIL RESERVOIR	106.261/11/01/2003
CTSO2V	VENT - COMBUSTION TURBINE 2 SEAL OIL RESERVOIR	106.261/11/01/2003
DIESELULDG	DIESEL FUEL UNLOADING	106.412/09/04/2000
LUBEULDG	UNLOADING TO GAS COMPRESSOR LUBE OIL STORAGE TANK	106.472/09/04/2000
MAINTPAINT	MAINTENANCE PAINTING	106.263/11/01/2001
PARTSWASH	SMALL PARTS WASHER	106.454/11/01/2001
SEPARATOR	OIL-WATER SEPARATOR	106.532/09/04/2000
SOLVCLEAN	MISCELLANEOUS SOLVENT CLEANING OPERATIONS	106.263/11/01/2001
STACK1	CTG-HRSG STACK	42734, PSDTX958
STACK2	CTG-HRSG STACK	42734, PSDTX958
STLO1	STEAM TURBINE LUBE OIL RESERVOIR	42734, PSDTX958
STSO1	STEAM TURBINE SEAL OIL RESERVOIR	106.261/11/01/2003

New Source Review Authorization References by Emissions Unit

The following is a list of New Source Review (NSR) authorizations for emission units listed elsewhere in this operating permit. The NSR authorizations are applicable requirements under 30 TAC Chapter 122 and enforceable under this operating permit.

Unit/Group/Process ID No.	Emission Unit Name/Description	New Source Review Authorization
STSO1V	VENT - STEAM TURBINE SEAL OIL RESERVOIR	106.261/11/01/2003
TANK15	DIESEL STORAGE TANK	106.472/09/04/2000
TANK16	FLOCCULENT STORAGE TANK	106.371/09/04/2000
TANK17	STORAGE TANK FOR NALCO 3D TRASAR 3DT195	106.371/09/04/2000
TOMV1	COMBUSTION TURBINE LUBE OIL RESERVOIR	42734, PSDTX958
TOMV2	COMBUSTION TURBINE LUBE OIL RESERVOIR	42734, PSDTX958
TOMV3	STEAM TURBINE LUBE OIL RESERVOIR	42734, PSDTX958

Appendix A

Acronym List

The following abbreviations or acronyms may be used in this permit:

ACFM ..... actual cubic feet per minute
AMOC ..... alternate means of control
ARP ..... Acid Rain Program
ASTM ..... American Society of Testing and Materials
B/PA ..... Beaumont/Port Arthur (nonattainment area)
CAM ..... Compliance Assurance Monitoring
CD ..... control device
CEMS ..... continuous emissions monitoring system
CFR ..... Code of Federal Regulations
COMS ..... continuous opacity monitoring system
CVS ..... closed vent system
D/FW ..... Dallas/Fort Worth (nonattainment area)
EP ..... emission point
EPA ..... U.S. Environmental Protection Agency
EU ..... emission unit
FCAA Amendments ..... Federal Clean Air Act Amendments
FOP ..... federal operating permit
gr/100 scf ..... grains per 100 standard cubic feet
HAP ..... hazardous air pollutant
H/G/B ..... Houston/Galveston/Brazoria (nonattainment area)
H_2S ..... hydrogen sulfide
ID No. ..... identification number
lb/hr ..... pound(s) per hour
MACT ..... Maximum Achievable Control Technology (40 CFR Part 63)
MMBtu/hr ..... Million British thermal units per hour
NA ..... nonattainment
N/A ..... not applicable
NADB ..... National Allowance Data Base
NESHAP ..... National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
NO_x ..... nitrogen oxides
NSPS ..... New Source Performance Standard (40 CFR Part 60)
NSR ..... New Source Review
ORIS ..... Office of Regulatory Information Systems
Pb ..... lead
PBR ..... Permit By Rule
PEMS ..... predictive emissions monitoring system
PM ..... particulate matter
ppmv ..... parts per million by volume
PRO ..... process unit
PSD ..... prevention of significant deterioration
psia ..... pounds per square inch absolute
SIP ..... state implementation plan
SO_2 ..... sulfur dioxide
TCEQ ..... Texas Commission on Environmental Quality
TSP ..... total suspended particulate
TVP ..... true vapor pressure
U.S.C. ..... United States Code
VOC ..... volatile organic compound

Appendix B

Major NSR Summary Table

Permit Number: 42734 and PSDTX958					Issuance Date: 12/29/2011		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (8)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
STACK1	CTG-HRSG Stack 1 Normal Operations	CO	117.60		17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		NO_x	97.20		3, 17, 18, 20	17, 18, 20, 22, 23. 24,	5, 17, 18, 23, 24, 26
		PM_{10}	31.40		12, 17, 20	12, 17, 20, 22, 23	17
		SO_2	4.24		3, 8, 17, 20, 21	8, 17, 20, 21, 22, 23, 24	5, 17, 21, 23, 24
		VOC	12.00		17, 20	17, 20, 22, 23	17, 23
		NH_3	45.70		15, 17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		$(NH_4)_2SO_4$	2.10		20	20, 22, 23	23,
STACK1	CTG-HRSG Stack 1 MSS (9)(10)	CO	1108.8		18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		NO_x	344.0		18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		PM_{10}	31.4		12, 20, 30, 31	12, 20, 22, 23, 30, 31	23
		SO_2	4.2		20, 21, 30, 31	20, 21, 22, 23, 24, 30, 31	21, 23, 24
		VOC	183.5		20, 30, 31	20, 22, 23, 30, 31	23
		NH_3	45.7		15, 18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		$(NH_4)_2SO_4$	2.1		20, 30, 31	20, 22, 23, 30, 31	23
STACK1	CTG-HRSG Stack 1 Normal and MSS Operations	CO(7)		212.60	17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		NO_x(7)		200.43	3, 17, 18, 20	17, 18, 20, 22, 23, 24,	5, 17, 18, 23, 24, 26
		PM_{10}(7)		107.80	12, 17, 20	12, 17, 20, 22, 23	17, 23
		SO_2		6.32	3, 8, 17, 20, 21	8, 17, 20, 21, 22, 23, 24	5, 8, 17, 21, 23, 24
		VOC		25.35	17, 20	17, 20, 22, 23	17, 23
		NH_3		109.06	15, 17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		$(NH_4)_2SO_4$		2.95	20, 30, 31	20, 22, 23	23

Major NSR Summary Table

Permit Number: 42734 and PSDTX958					Issuance Date: 12/29/2011		
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (8)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
STACK2	CTG-HRSG Stack 2 Normal Operations	CO	117.60		17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		NO_x	97.20		3, 17, 18, 20	17, 18, 20, 22, 23. 24,	5, 17, 18, 23, 24, 26
		PM_{10}	31.40		12, 17, 20	12, 17, 20, 22, 23	17
		SO_2	4.24		3, 8, 17, 20, 21	8, 17, 20, 21, 22, 23, 24	5, 17, 21, 23, 24
		VOC	12.00		17, 20	17, 20, 22, 23	17, 23
		NH_3	45.70		15, 17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		$(NH_4)_2SO_4$	2.10		20	20, 22, 23	23,
STACK2	CTG-HRSG Stack 2 MSS (9)(10)	CO	1108.8		18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		NO_x	344.0		18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		PM_{10}	31.4		12, 20, 30, 31	12, 20, 22, 23, 30, 31	23
		SO_2	4.2		20, 21, 30, 31	20, 21, 22, 23, 24, 30, 31	21, 23, 24
		VOC	183.5		20, 30, 31	20, 22, 23, 30, 31	23
		NH_3	45.7		15, 18, 20, 30, 31	18, 20, 22, 23, 24, 30, 31	18, 23, 24, 26
		$(NH_4)_2SO_4$	2.1		20, 30, 31	20, 22, 23, 30, 31	23
STACK2	CTG-HRSG Stack 2 Normal and MSS Operations	CO(7)		212.60	17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		NO_x(7)		200.43	3, 17, 18, 20	17, 18, 20, 22, 23, 24,	5, 17, 18, 23, 24, 26
		PM_{10}(7)		107.80	12, 17, 20	12, 17, 20, 22, 23	17, 23
		SO_2		6.32	3, 8, 17, 20, 21	8, 17, 20, 21, 22, 23, 24	5, 17, 21, 23, 24
		VOC		25.35	17, 20	17, 20, 22, 23	17, 23
		NH_3		109.06	15, 17, 18, 20	17, 18, 20, 22, 23, 24,	17, 18, 23, 24, 26
		$(NH_4)_2SO_4$		2.95	20, 30, 31	20, 22, 23	23
TOMV1	Turbine Oil Mist Vent (5)	VOC	0.01	0.04	12	12, 23	23
TOMV2	Turbine Oil Mist Vent (5)	VOC	0.01	0.04	12	12, 23	23

Major NSR Summary Table

Permit Number: 42734 and PSDTX958			Issuance Date: 12/29/2011				
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (8)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
TOMV3	Turbine Oil Mist Vent (5)	VOC	0.01	0.02	12	12, 23	23
CT-1	Cooling Tower	PM_{10}	4.50	11.84	12	12, 23	23
TANK1	Aqueous Ammonia Tank	NH_3	<0.01	<0.01	12, 15	12, 15, 23	23
TANK2	Aqueous Ammonia Tank	NH_3	<0.01	<0.01	12, 15	12, 15, 23	23
TANK3	Sodium Hypochlorite Tank	NaOCl	<0.01	0.01	12, 15	12, 15, 23	23
TANK4	Sulfuric Acid Tank	H_2SO_4	<0.01	<0.01	12, 15	12, 15, 23	23
TANKS 5 through 8	Water Tanks	--	--	--	12, 15	12, 15, 23	23
WTB1	Common Vent for Water Treatment Chemical Tanks 9, 10, 11, 12, and 13	IOC and OC	0.54	<0.10	12, 15	12, 15, 23	23
FUG1	Ammonia System Fugitives (6)	NH_3	0.01	0.04	15	15	
FUG2	Natural Gas Pipeline and Metering Station Fugitives	VOC	0.04	0.19		GC #7	

Major NSR Summary Table

Permit Number: 42734 and PSDTX958			Issuance Date: 12/29/2011				
Emission Point No. (1)	**Source Name (2)**	**Air Contaminant Name (3)**	**Emission Rates (8)**		**Monitoring and Testing Requirements**	**Recordkeeping Requirements**	**Reporting Requirements**
			lb/hr	**TPY (4)**	**Spec. Cond.**	**Spec. Cond.**	**Spec. Cond.**
FUG3	Planned MSS Activities (ILE and non-ILE)	CO	<0.01	<0.01	30, 31	23	
		NO_x	<0.01	<0.01	30, 31	23	
		$PM_{10}/PM_{2.5}$	11.28	0.55	30, 31	23	
		SO_2	<0.01	<0.01	30, 31	23	
		VOC	506.42	2.62	30, 31	23	
		NH_3	21.07	0.03	30, 31	23	

Footnotes:

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented
PM_{10} - total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$ - particulate matter equal to or less than 2.5 microns in diameter
CO - carbon monoxide
HAP - hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
NH_3 - ammonia
H_2SO_4 - sulfuric acid
NaOCl - sodium hypochlorite
$(NH_4)_2SO_4$ - ammonium sulfate
IOC and OC - inorganic and organic compounds for water treatment including (but not limited to) trisodiumphosphate, carbohydrazide, sodium bisulfate, sodium chloride, and polyquantenary amine chloride.
(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Turbine oil mist vent emissions are estimates only based on mist vent eliminator vendor data.
(6) Fugitive emissions are an estimate only based on component count and application of appropriate fugitive emission factors.
(7) Emissions regulated under PSDTX958 permit authorization.
(8) Emission rates are based on a maximum combustion turbine generator (CTG) operating schedule of 8,760 hours per year per CTG, and heat recovery duct burners operating a maximum of 2,500 hours per EPNs STACK1 and STACK2.
(9) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(10) These limits include hourly emissions from a non-ILE activity (See Attachment B).

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 29, 2011

MR STEVEN BATES
PLANT MANAGER
WISE COUNTY POWER COMPANY LLC
800 BOONES CREEK LN
POOLVILLE TX 76487-5042

Re: Permit Amendment Application
Permit Number: 42734
Wise County Power Plant
Poolville, Wise County
Regulated Entity Number: RN102584844
Customer Reference Number: CN600127963
Account Number: WN-0211-W
Associated Permit Number: PSDTX958

Dear Mr. Bates:

This is in response to your letter received January 5, 2011 and your Form PI-1 (General Application for Air Preconstruction Permits and Amendments) concerning the proposed amendment to Permit Number 42734. We understand that you propose to authorize emissions from planned maintenance, startup and shutdown. Also, this will acknowledge that your application for the above-referenced amendment is technically complete as of December 11, 2011.

As indicated in Title 30 Texas Administrative Code § 116.116(b) [30 TAC § 116.116(b)], and based on our review, Permit Number 42734 is hereby amended. This information will be incorporated into the existing permit file. Enclosed are revised special conditions pages and a maximum allowable emission rates (MAERT) table to replace those currently attached to your permit. We appreciate your careful review of the special conditions of the permit and assuring that all requirements are consistently met.

Planned maintenance, startup, and shutdown for the sources identified on the MAERT have been reviewed and included in the MAERT and specific maintenance activities are identified in the permit special conditions. Any other maintenance activities are not authorized by this permit and will need to obtain separate authorization.

Re: Permit Number: 42734

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC § 25.4 and § 25.6.

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following Web site:

www.tceq.texas.gov/compliance/compliance_support/qa/env_lab_accreditation.html

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at labprgms@tceq.texas.gov.

You may file a **motion to overturn** with the Chief Clerk. A motion to overturn is a request for the commission to review the executive director's decision. Any motion must explain why the commission should review the executive director's decision. According to 30 TAC § 50.139, an action by the executive director is not affected by a motion to overturn filed under this section unless expressly ordered by the commission.

A motion to overturn must be received by the Chief Clerk within 23 days after the date of this letter. An original and 11 copies of a motion must be filed with the Chief Clerk in person, or by mail to the Chief Clerk's address on the attached mailing list. On the same day the motion is transmitted to the Chief Clerk, please provide copies to the applicant, the executive director's attorney, and the Public Interest Counsel at the addresses listed on the attached mailing list. If a motion to overturn is not acted on by the commission within 45 days after the date of this letter, then the motion shall be deemed overruled.

You may also request **judicial review** of the executive director's approval. According to Texas Health and Safety Code § 382.032, a person affected by the executive director's approval must file a petition appealing the executive director's approval in Travis County district court within 30 days after the effective date of the approval. Even if you request judicial review, you still must exhaust your administrative remedies, which includes filing a motion to overturn in accordance with the previous paragraphs.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Ms. Rebecca Partée at (512) 239-0278 or write to the Texas Commission on Environmental Quality, Office of Air, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

Re: Permit Number: 42734

This action is taken under authority delegated by the Executive Director of the TCEQ.

Sincerely,

Michael Wilson, P.E., Director
Air Permits Division
Office of Air
Texas Commission on Environmental Quality

MPW/RLP/

Enclosures

cc: Mr. Ed Rapier, Project Engineer, Zephyr Environmental Corp, Austin
Air Section Manager, Region 4 - Fort Worth
Air Permits Section Chief, New Source Review, Section (6PD-R), U.S. Environmental Protection Agency, Region 6, Dallas

Project Number: 162522

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO

Wise County Power Company, LLC

AUTHORIZING THE CONSTRUCTION AND OPERATION OF AN

Electric Generation Plant

LOCATED AT

Bridgeport, Wise County, Texas

LATITUDE 33° 03' 30" *LONGITUDE* 097° 54' 37"

. **The facilities** covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction lans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall e unlawful unless the permit holder first makes application to the Executive Director of the Texas Natural Resource Conservation Commission (TNRCC or commission) to amend this permit in that regard and such amendment is approved. (Title 30 Texas Administrative Code Section 116.116 (30 TAC 116.116))

. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of date of issuance, discontinues onstruction for more than 18 consecutive months prior to completion, or fails to complete construction within a reasonable time. Upon request, the Executive Director nay grant a onetime 18-month extension of the date to begin construction. (30 TAC 116.115(b)(2)(A))

. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate Regional Office of the TNRCC not later than 15 working days after occurrence of the event. (30 TAC 116.115(b)(2)(B))

. **Start-up Notification.** The appropriate Air Program Regional Office of the Commission shall be notified prior to the commencement of operations of the facilities uthorized by the permit in such a manner that a representative of the TNRCC may be present. Phased construction, which may involve a series of units commencing perations at different times, shall provide separate notification for the commencement of operations for each unit (30 TAC 116.115(b)(2)(C))

. **Sampling Requirements.** If sampling of stacks or process vents is required, the permit holder shall contact the TNRCC Office of Compliance and Enforcement rior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the Executive Director and coordinated vith the regional representatives of the Commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations r contracting with an independent sampling consultant. (30 TAC 116.115(b)(2)(D))

. **alency of Methods.** It shall be the responsibility of the permit holder to demonstrate or otherwise justify the equivalency of emission control methods, or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative ds shall be applied for in writing and must be reviewed and approved by the Executive Director prior to their use in fulfilling any requirements of the permit. 30 TAC 116.115(b)(2)(E))

. **Recordkeeping.** A copy of the permit along with information and data sufficient to demonstrate compliance with the permit shall be maintained in a file at the plant site and made available at the request of personnel from the TNRCC or any air pollution control program having jurisdiction. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the permit holder in the permit application. This information shall include, but is not limited to, production records and operating hours. Additional recordkeeping requirements may be specified in special conditions attached to the permit. Information in the file shall be retained for at least two years following the date that the information or data is obtained. (30 TAC 116.115(b)(2)(F))

. **Maximum allowable emission rates.** The total emissions of air contaminants from any of the sources of emissions listed in the table entitled "Emission Sources - Maximum Allowable Emission Rates" shall not exceed the values stated on the table attached to the permit. (30 TAC 116.115(b)(2)(G))

. **Maintenance of Emission Control.** The facilities covered by the permit shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. Notification for upsets and maintenance shall be made in accordance with §101.6 and §101.7 of this title (relating to Notification Requirements for Major Upset and Notification Requirements for Maintenance). (30 TAC 116.115(b)(2)(H))

. **Compliance with Rules.** Acceptance of a permit by a permit applicant constitutes an acknowledgement and agreement that the holder will comply with all rules, regulations, and orders of the Commission issued in conformity with the Texas Clean Air Act and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition are applicable, then the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of Commission employees and agents into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. (30 TAC 116.115(b)(2)(I)) .

11. **This permit may be appealed persuant to 30 TAC 50.39.**

12. **This permit may not be transferred,** assigned, or conveyed by the holder except as provided by rule. (30 TAC 116.110(d)).

13. This permit **expires 10 years** from date of issuance unless renewed as provided in Section 382.055 of the TCAA unless a shorter time period is specified in the special conditions of this permit.

14. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. (30 TAC 116.115(c))

15. Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in Section 382.003(3) of the Texas Clean Air Act (TCAA) or violate Section 382.085 of the TCAA. If the Executive Director determines that such a condition or violation occurs, the holder shall implement additional abatement m res as necessary to control or prevent the condition or violation.

T 42734 and PSD-TX-958

DATE July 14, 2000

Jeffrey A Saitas, P.E.
Executive Director
Texas Natural Resource Conservation Commission

Special Conditions

Permit Numbers 42734 and PSDTX958

1. This permit covers only those sources of emissions listed in the attached table entitled "Emission Sources - Maximum Allowable Emission Rates," and those sources are limited to the emission limits and other conditions specified in the attached table. **(12/11)**

Prevention of Significant Deteriorations (PSD) of National Ambient Air Quality Standards (NAAQS)

2. This PSD permit action is based on the evaluation of the emissions to the atmosphere as represented in the permit application dated October 28, 1999 and subsequent submittals, and the determination that the emissions of nitrogen dioxide, carbon monoxide (CO), and particulate matter less than 10 microns in size (PM_{10}) will not result in any exceedance of applicable NAAQS for these air contaminants. The PSD applies only to emissions of nitrogen oxide (NO_x), CO, and PM_{10} from Emission Point Nos. (EPNs) STACK1 and STACK2.

Federal Applicability

3. These facilities shall comply with applicable requirements of the U.S. Environmental Protection Agency (EPA) regulations on Standards of Performance for New Stationary Sources, Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Subpart A, General Conditions, and the following: **(PSD)**

   A. Subpart Db, Industrial-Commercial-Institutional Steam Generating Units. **(PSD)**

   B. Subpart GG, Stationary Gas Turbines. **(PSD)**

   If any condition of this permit is more stringent than the regulations so incorporated, then for the purposes of complying with this permit, the permit shall govern and be the standard by which compliance shall be demonstrated.

Equipment and Operating Specifications – Best Available Control Technology (BACT)

4. The two Westinghouse Model 501G Combustion Turbine Generator (CTG) Units authorized by this permit are each rated for a nominal electrical power output of 230 megawatts (MW) and the steam-driven turbine unit is rated at a nominal 240 MW for a nominal facility electrical power output of 700 MW.

5. The two heat recovery steam generating (HRSG) unit duct burners authorized by this permit are each limited to a maximum heat input capacity of 250 million British thermal units per hour (MMBtu/hr) based on the higher heating value of natural gas for a maximum of 2,500 hours per year per EPN. The duct burners provide peaking capability of an additional nominal 20 MW of power per unit. **(PSD)**

6. The CTGs shall normally operate between 70 and 100 percent base load except for periods of start-up, shutdown, and reduced load operations. Reduced load operation below 70 percent of base load not associated with start-up, shutdown, or maintenance is authorized to accommodate periods of reduced power demands provided the NO_x and CO maximum pounds per hour emission rates specified in the attached table entitled "Emission Sources - Maximum Allowable Emissions Rates" for EPNs STACK1 and STACK 2 are not exceeded.

7. Fuel for the CTG duct burners is limited to pipeline-quality natural gas containing no more than 0.5 grain total sulfur per 100 dry standard cubic feet (dscf) on a short-term basis and 0.2 grain total sulfur per 100 dscf on a rolling 12-month average basis.

8. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) or any local air pollution control program having jurisdiction, the holder of this permit shall provide a sample and/or an analysis of the fuel fired in the gas turbines and duct burners or shall allow air pollution control agency representatives to obtain a sample for analysis.

9. Chromium-based solutions shall not be used in the Cooling Tower (EPN CT-1).

10. Emission Limits - Either EPN STACK1 or EPN STACK2:

    Emissions from EPN STACK1 and EPN STACK2 shall meet the concentration specifications in paragraphs (A), (B), (C), and (D) of this special condition.

    The concentration limits in this special condition only apply over the turbine's normal operating range of 70 to 100 percent of base load and during reduced load operations for EPNs STACK1 and STACK2. The concentration limits do not apply during start-up and shutdown periods.

    A. Emissions of NO_x shall not exceed nine parts per million by volume, dry (ppmvd) one-hour average and five ppmvd annual average (duct burners on or off), both when corrected to 15 percent oxygen (O_2) without correction to International Standards Organization conditions. **(PSD)**

B. Emissions of CO shall not exceed 20 ppmvd one-hour average and 9 ppmvd annual average (duct burners on or off), both when corrected to 15 percent O_2. **(PSD)**

C. Emissions of volatile organic compounds (VOC), defined as total hydrocarbons minus methane and ethane, shall not exceed 5.1 ppmvd on a maximum hourly or two ppmvd annual average basis when corrected to 15 percent O_2.

D. Emissions of ammonia (NH_3) shall not exceed 10 ppmvd on a maximum hourly basis or 7 ppmvd on an annual average basis when corrected to 15 percent O_2.

11. The HRSG ducting shall be designed to accommodate additional CO and/or VOC catalyst or additional NO_x catalyst as necessary to meet emission limits specified in Special Condition No. 10.

12. Except during MSS activities, the opacity shall not exceed five percent averaged over a six-minute period from each stack or vent. During MSS activities, the opacity shall not exceed 15 percent (or other applicable opacity limit specified in 30 TAC § 111.111(a)(1)(c)). Each determination shall be made by first observing for visible emissions while each facility is in operation. Observations shall be made at least 15 feet and no more than 0.25 miles from the emission point. If visible emissions are observed from an emission point, then the opacity shall be determined and documented within 24 hours for that emission point using Title 40 Code of Federal Regulations Part 60 (40 CFR Part 60), Appendix A, Test Method 9. Contributions from uncombined water shall not be included in determining compliance with this condition. Observations shall be performed and recorded quarterly. If the opacity exceeds five percent during normal operations or 15 percent during MSS activities, corrective action to eliminate the source of visible emissions shall be taken promptly and documented within one week of first observation. **(12/11)**

13. The service of NH_3 storage tanks represented in this permit is limited to the storage of aqueous NH_3 only.

14. Emissions from Ammonia Storage Tanks (TANK1 and TANK2) shall be minimized by use of a vapor-balance system to route vapors displaced from the tanks back to the truck during filling operations.

15. Audio, olfactory, and visual checks for NH_3 and water treatment chemicals shall be made once per eight-hour shift within the operating area. No later than one hour following detection of a leak, plant personnel shall take the following actions:

A. Locate and isolate the leak.

B. Commence repair or replacement of the leaking component as appropriate.

C. Use a leak collection/containment system to control the leak until repair or replacement can be made.

Determination of Compliance (PSD)

16. Sampling ports and platforms shall be incorporated into the design of all exhaust stacks according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities." Alternate sampling facility designs may be submitted for approval by the TCEQ Regional Director or the TCEQ Air Permits Division in Austin.

17. The holder of this permit shall perform stack sampling and other testing as required to establish the actual quantities of air contaminants being emitted into the atmosphere from EPNs STACK1 and STACK2. Sampling shall be conducted in accordance with the appropriate procedures of the TCEQ Sampling Procedures Manual and in accordance with the appropriate EPA Reference Methods 201A and 202, or Reference Method 5, modified to include back-half condensibles, for the concentration of PM_{10}; Reference Method 8 or Reference Method 6 or 6c for sulfur dioxide (SO_2); Reference Method 9 for opacity (consisting of 30 six-minute readings as provided in 40 CFR § 60.11(b); Reference Method 10 for the concentration of CO; Reference Method 25A, modified to exclude methane and ethane, for the concentration of VOC (to measure total carbon as propane); and Reference Method 20 for the concentrations of NO_x and O_2 or equivalent methods.

    Fuel sampling using the methods and procedures of 40 CFR § 60.335(d) may be conducted in lieu of stack sampling for SO_2. If fuel sampling is used, compliance with New Source Performance Standards (NSPS), Subpart GG, SO_2 limits shall be based on 100 percent conversion of the sulfur in the fuel to SO_2. Any deviations from those procedures must be approved by the Executive Director of the TCEQ prior to sampling. The TCEQ Executive Director or a designated representative shall be afforded the opportunity to observe all such sampling.

    The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense.

    A. The TCEQ Dallas/Fort Worth Regional Office shall be contacted as soon as testing is scheduled but not less than 45 days prior to sampling to schedule a pretest meeting.

        The notice shall include:

(1) Date for pretest meeting.
(2) Date sampling will occur.
(3) Name of firm conducting sampling.
(4) Type of sampling equipment to be used.
(5) Method or procedure to be used in sampling.
(6) Procedure used to determine turbine loads during and after the sampling period.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the format procedures for submitting the test reports. A written proposed description of any deviation from sampling procedures specified in permit conditions, or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Director or the TCEQ Air Permits Division shall approve or disapprove of any deviation from specified sampling procedures. Requests to waive testing for any pollutant specified in this condition shall be submitted to the TCEQ Air Permits Division. Test waivers and alternate or equivalent procedure proposals for NSPS testing which must have EPA approval shall be submitted to the TCEQ Air Permits Division in Austin.

B. Air emissions from the CTG shall be tested while firing at a full load for the ambient conditions at the time of testing. Air emissions to be sampled and analyzed while at a full load include (but are not limited to) NO_x, O_2, CO, VOC, SO_2, PM_{10}, NH_3, and opacity. [Fuel sampling using the methods and procedures of 40 CFR § 60.335(d) may be conducted in lieu of stack sampling for SO_2.]

C. Air emissions from the CTG shall be tested while firing at minimum load conditions in the normal operating range of the gas turbine or approximately 50 percent load. The tested load shall be identified in the sampling report. Air emissions to be sampled and analyzed while at a minimum load include (but are not limited to) VOC and NH_3.

D. Sampling of each gas turbine shall occur within 60 days after achieving the maximum production rate at which each will be operated but no later than 180 days after initial start-up of each unit. Additional sampling shall occur as may be required by the TCEQ or EPA.

E. Within 60 days after the completion of the testing and sampling required herein, three copies of the sampling reports shall be distributed as follows:

One copy to the TCEQ Dallas/Fort Worth Regional Office

One copy to the TCEQ Air Permits Division in Austin
One copy to the EPA Region 6 Office, Dallas

Continuous Determination of Compliance for CO, NO_x, and NH_3 (BACT)

18. The holder of this permit shall install, calibrate, maintain, and operate a continuous emission monitoring system (CEMS) to measure and record the concentrations of NO_x, CO, O_2, and NH_3 from EPNs STACK1 and STACK2.

    A. Monitored NO_X, CO, and NH_3 concentrations shall be corrected and reported in dimensional units corresponding to the emission rate and concentration limits established for the gas turbines in this permit. The monitoring data shall be reduced to hourly average values at least once everyday, using a minimum of four equally-spaced data points from each one-hour period. Two valid data points shall be generated during the hourly period in which zero and span is performed.

    B. The CEMS shall meet the applicable quality-assurance requirements specified in 40 CFR Part 60, Appendix F, Procedure 1. All CEMS downtime of one hour or greater shall be recorded by the CEMS. Any relative accuracy exceedances, as specified in 40 CFR Part 60, Appendix F, § 5.2.3, and any CEMS downtime in excess of four hours shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken. Supplemental stack concentration measurements may be required at the discretion of the appropriate TCEQ Regional Director.

    C. Quality-assurance of the NH_3 CEMS shall be accomplished on an annual basis by a method approved by TCEQ Air Permits Division in Austin. Results shall be recorded and calculations made to correlate test results to allowable emission rates.

    D. All monitoring data and quality-assurance data shall be maintained by the source for a period of two years and shall be made available to the TCEQ Executive Director or a designated representative upon request. The data from the CEMS may, at the discretion of the TCEQ, be used to determine compliance with the conditions of this permit. Hourly average concentrations from EPNs STACK1 and STACK2 shall be summed to tons per year and used to determine compliance with the emission limits of this permit.

    E. The TCEQ Arlington Regional Office shall be notified at least 30 days prior to any required relative accuracy test audit in order to provide them the opportunity to observe the testing.

F. If applicable, the CEMS will be required to meet the design and performance specifications, pass the field tests, and meet the installation requirements and data analysis and reporting requirements specified in the applicable performance specifications in 40 CFR Part 75, Appendix A.

19. If any emission monitor fails to meet specified performance, it shall be repaired or replaced immediately, but no later than seven days after it was first detected by any employee at the facility, unless written permission is obtained from the TCEQ which allows for a longer repair/replacement time. The holder of this permit shall develop an operation and maintenance program (including stocking necessary spare parts) to ensure that the continuous monitors are available as required.

20. The holder of this permit shall additionally install, calibrate, maintain, and operate continuous monitoring systems to monitor and record the average hourly natural gas consumption of each gas turbine and duct burner system. The systems shall be accurate to ±5 percent of the unit's maximum flow.

21. The holder of this permit shall monitor the fuel fired in the gas turbines as specified in 40 CFR § 60.334(h). Any request for a custom monitoring schedule shall be made in writing and directed to the TCEQ Air Permits Division in Austin. Any custom schedule approved by TCEQ pursuant to 40 CFR § 60.334(h) will be recognized as an enforceable condition of this permit.

Recordkeeping Requirements

22. The following records shall be kept at the plant for the life of the permit. All records required in this permit shall be made available at the request of personnel from the TCEQ, EPA, or any air pollution control agency with jurisdiction.

A. A copy of this permit.
B. Permit application dated October 28, 1999, and subsequent representations submitted to the TCEQ.

C. A complete copy of the testing reports and records of the initial performance testing completed pursuant to Special Condition No. 17 to demonstrate initial compliance.

D. Stack sampling results or other air emissions testing (other than CEMS data) that may be conducted on units authorized under this permit after the date of issuance of this permit.

23. The following information shall be maintained by the holder of this permit in a form suitable for inspection for a period of five years after collection and shall be made immediately available upon request to representatives of the TCEQ, EPA, or any local air pollution control program having jurisdiction:

    A. The CEMS data of NO_x, CO, O_2, and NH_3 emissions from EPNs STACK1 and STACK2 to demonstrate compliance with the emission rates listed in the maximum allowable emission rates table (MAERT).

    B. Raw data files of all CEMS data including calibration checks and adjustments and maintenance performed on these systems in a permanent form suitable for inspection.

    C. Records of the hours of operation and average daily quantity of natural gas fired in the gas turbines and duct burners.

    D. Records of quality-assurance emissions sampling and associated calculations pursuant to Special Condition No. 18C.

    E. Records of emission calculations and /or emissions data specified in Special Condition No. 31(B), if applicable. **(12/11)**

    F. Records to demonstrate compliance with Special Condition No. 30. **(12/11)**

    G. Records of visible emissions/opacity observations as specified in Special Condition No. 12. **(12/11)**

Reporting

24. The holder of this permit shall submit to the TCEQ Arlington Regional Office; the TCEQ Air Permits Division in Austin; and the Air Enforcement Branch of EPA in Dallas semi-annual reports as described in 40 CFR § 60.7. Such reports are required for each emission unit which is required to be continuously monitored pursuant to this permit. In addition to the information specified in 40 CFR § 60.7(c), each report shall contain the hours of operation of the equipment authorized by this permit and a report summary of the periods of noncomplying emissions and CEMS downtimes by cause. **(6/03)**

25. For the purposes of reporting pursuant to Special Condition No. 24, noncomplying emissions from equipment authorized by this permit shall be defined as follows:

A. Noncomplying emissions of NO_x, CO, or NH_3 shall be defined as each one-hour period of operation, except during start-up or shutdown, during which the average emissions as measured and recorded by the CEMS exceed any pound-per-hour emission limitation specified in the MAERT.

B. Noncomplying annual emissions shall be defined as any rolling 12-month period of operation during which the 12-month cumulative emissions exceeds the annual limits specified in the MAERT of this permit.

C. Noncomplying emissions of SO_2 shall be defined as emissions resulting from firing fuel which is found to contain sulfur in excess of the limits of Special Condition No. 7 or which indicates exceedance of the SO_2 limitation specified in the MAERT based on 100 percent conversion of the sulfur in the fuel to SO_2.

26. If the average NO_x, CO, or NH_3 stack outlet emission rate exceeds the maximum allowable emissions rate for more than one hour, the holder of this permit shall investigate and determine the reason for the exceedance and, if needed, make necessary repairs and/or adjustments as soon as possible. If the NO_x, CO, or NH_3 emission rate exceeds the emission rate in the MAERT for more than 24-hours, the permit holder shall notify the TCEQ Regional Office either verbally or with a written report detailing the cause of the increase in emissions and all efforts being made to correct the problem.

Maintenance, Startup, and Shutdown Requirements (12/11)

27. This permit authorizes the emissions from the planned maintenance, startup, and shutdown (MSS) activities listed in Attachment A, Attachment B, or the MAERT attached to this permit. Attachment A identifies the inherently low emitting (ILE) planned maintenance activities that this permit authorizes to be performed. Attachment B identifies the planned maintenance activities that are non-ILE planned maintenance activities that this permit authorizes to be performed.

28. The holder of this permit shall minimize emissions during planned MSS activities by operating the facility in accordance with good air pollution control practices, safe operating practices, and protection of the facility.

29. Emissions during planned startup and shutdown activities will be minimized by limiting the duration of operation in planned startup and shutdown mode as follows.

A. A planned startup of the CTG is defined as the period that begins when the Data Acquisition and Handling System (DAHS) detects measurable fuel flow to the turbines and receives a flame-on signal from the turbine controllers and ends when the unit is above 70 percent load. A cold startup event shall not exceed 360 minutes in duration. Warm startup events shall not exceed 240 minutes in duration. A cold start up event is defined as a startup after a unit has received no fuel flow for a period of 24 hours or more. A warm startup event is defined as a startup which is not a cold startup.

B. A planned shutdown of the CTG is defined as the period that begins when the DAHS receives a shutdown signal from the turbine controllers and ends when the unit goes offline. Shutdown events shall not exceed 120 minutes in duration.

C. Emissions from combustion turbine optimization activities, as defined in Attachment B, shall be subject to the hourly emission limits for MSS activities from gas turbines listed on the MAERT.

30. Compliance with the emission limits for planned MSS activities identified in the MAERT attached to this permit may be demonstrated as follows.

A. For each pollutant emitted during ILE planned maintenance activities, the permit holder shall annually confirm the continued validity of the estimated potential to emit represented in the permit application for all ILE planned maintenance activities. The total emissions from all ILE planned maintenance activities (See Attachment A) shall be considered to be no more than the estimated potential to emit for those activities that are represented in the permit application.

B. For each pollutant emitted during non-ILE planned maintenance activities (See Attachment B) whose emissions are measured using a CEMS, as per Special Condition No. 31A, the permit holder shall do the following for each calendar month.

(1) Compare the pollutant's short-term (hourly) emissions during planned maintenance activities as measured by the CEMS to the applicable short-term planned MSS emissions limit in the MAERT.

(2) Once the pollutant's emissions during planned maintenance activities have been measured by the CEMS for 12 months after the MSS permit amendment has been issued, compare the rolling 12-month emissions of the pollutant, as determined using the CEMS data, to the applicable annual planned MSS emissions limit in the MAERT.

C. For each pollutant emitted during non-ILE planned maintenance activities (See Attachment B) whose emissions are not measured by a CEMS, the permit holder shall do the following for each calendar month.

(1) Determine the total emissions of the pollutant from such non-ILE planned maintenance activities in accordance with Special Condition No. 31.

(2) Once monthly emissions have been determined in accordance with Special Condition No. 30C(1) for 12 months after the MSS permit amendment has been issued, the permit holder shall compare the sum of the rolling 12-month emissions for the pollutant for all non-ILE planned maintenance activities to the annual emissions limit for the pollutant in the MAERT.

31. The permit holder shall determine the emissions during planned MSS activities for use in Special Condition No. 30 as follows.

A. For each pollutant whose emissions during normal facility operations are measured with a CEMS that has been certified to measure the pollutant's emissions over the entire range of a planned MSS activity, the permit holder shall measure the emissions of the pollutant during the planned MSS activity using the CEMS.

B. For each pollutant not described in Special Condition No. 31A, the permit holder shall calculate the pollutant's emissions during all occurrences of each type of planned MSS activity for each calendar month for non-ILE activities and annually for ILE activities using the frequency of the planned MSS activity identified in work orders or equivalent records and the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application. In lieu of using the emissions of the pollutant during the planned MSS activity as represented in the planned MSS permit application to calculate such emissions, the permit holder may determine the emissions of the pollutant during the planned MSS activity using an appropriate method, including but not limited to, any of the methods described in paragraphs 1 through 3 below, provided that the permit holder maintains appropriate records supporting such determination:

(1) Use of emission factor(s), facility-specific parameter(s), and/or engineering knowledge of the facility's operations.

(2) Use of emissions data measured (by a CEMS or during emissions testing) during the same type of planned MSS activity occurring at or on a similar facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

(3) Use of emissions testing data collected during a planned MSS activity occurring at or on the facility, and correlation of that data with the facility's relevant operating parameters, including, but not limited to, electric load, temperature, fuel input, and fuel sulfur content.

32. With the exception of the emission limits in the MAERT attached to this permit, the permit conditions relating to planned MSS activities do not become effective until 180 days after issuance of the permit amendment that added such conditions.

33. The following facilities at the site are de minimis facilities per 30 TAC § 116.119.

A. Application of lubricants (including greases and oils) without aerosol propellants for maintaining equipment and other facilities.

B. Manual application of cleaning solutions, stripping solutions, and coatings using brushes, cloth pads, sponges, droppers, tube dispensing equipment, or spray bottles and pump-up sprayers without aerosol propellants.

C. Application of aqueous detergents, surfactants, and other cleaning solutions containing no more than one (1) percent of any organic compound by weight or containing no more than five (5) percent of any organic compound with a vapor pressure less than 0.002 pounds per square inch absolute.

D. Application of aerosol-propelled organic liquids using hand-held devices for maintaining equipment and other facilities where the usage is no more than four (4) aerosol cans or 64 ounces per day on a 12-month rolling average basis.

E. Aerosol can recycling puncturing and/or crushing equipment limited to 40 aerosol cans per day (24 hours) at the site and only operated with a covered waste storage container.

F. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analyses.

G. Equipment used for landscaping.

H. Janitorial and Maid Services.

I. Fumigation facilities complying with all U.S. Environmental Protection Agency (EPA) Federal Insecticide, Fungicide, and Rodenticide Act requirements including but not

limited to the labeling requirements for each specific fumigant used at the site. Any fumigant used at the facility must be registered by the EPA and the Texas Department of Agriculture, Texas Structural Pest Control Board, or Texas Department of State Health Services, as appropriate, prior to use.

J. Modular, self-contained abrasive blasting cabinets.

K. Blast cleaning equipment using only water as the cleaning media.

L. Any other de minimis activity or facility listed under 30 TAC § 116.119.

34. The following facilities are authorized under 30 TAC § 106.

Facility	Authorization
Sludge Management	§106.532
Organic Chemical Usage	§106.532
Brazing, Soldering, and Welding	§106.227
Abrasive Blasting, Outdoor	§106.263
Solvent Cleaning, Parts Degreaser	§106.454
Portable Small Engines, >12 months	§106.511
Emergency Engines	§§106.511, 106.263
Surface Coating	§106.263

Dated December 29, 2011

Attachment A

Permit No. 42734 and PSDTX958

Inherently Low Emitting (ILE) Planned Maintenance Activities

	Emissions					
Planned Maintenance Activity	NH_3/urea	VOC	NO_x	CO	PM	SO_2
Miscellaneous particulate filter maintenance[1]					x	
Degassing for maintenance of storage vessels storing material with vapor pressure <0.5 psia	x	x				
Degassing for maintenance of storage vessels storing gasoline or other material with vapor pressure >0.5 psia that does not require clearing of the vessels to allow for entry of personnel	x	x				
Catalyst handling and maintenance[2]					x	
Management of sludge from pits, ponds, sumps, and water conveyances[3]		x				
Organic chemical usage		x				
Inspection, repair, replacement, adjusting, testing, and calibration of analytical equipment, process instruments including sight glasses, meters, gauges, CEMS		x	x	x		x
HRSG Tube Cleaning					x	
Turbine washing – unit online[4]					x	
Small equipment and fugitive component repair/replacement in VOC and NH3 service[5]	x	x				

Notes:

1. Includes, but is not limited to, process-related building air filters, and combustion turbine air intake filters.
2. Includes, but is not limited to, replacement, cleaning, activation, and deactivation of SCR.
3. Includes, but is not limited to, management by vacuum truck/dewatering of materials in open pits and ponds, and sumps, tanks and other closed or open vessels. Materials managed include water and sludge mixtures containing miscellaneous VOCs such as diesel, lube oil, and other waste oils.
4. Involves use of water only.

5. Includes, but is not limited to, (i) repair/replacement of pumps, compressors, valves, pipes, flanges, transport lines, filters and screens in natural gas, fuel oil, diesel oil, ammonia, lube oil, and gasoline service, (ii) vehicle and mobile equipment maintenance that may involve small VOC emissions, such as oil changes, transmission service, and hydraulic system service, and (iii) off-line NO_x control device maintenance (including maintenance of and aqueous ammonia systems associated with SCR systems)

Dated December 29, 2011

Attachment B

Permit No. 42734 and PSDTX958

Non-ILE Planned Maintenance Activities

Planned Maintenance Activity	EPN	Emissions					
		NH_3/Urea	VOC	NO_x	CO	PM	SO_2
Gaseous Fuel Venting[1]	FUG3		X				
Optimization/Tuning[2]	STACK1		X	X	X	X	X

Notes:

1. Includes, but is not limited to, venting prior to pipeline pigging, and meter proving.
2. Includes, but is not limited to, (i) leak and operability checks (e.g., turbine over-speed tests, troubleshooting), (ii) balancing, and (iii) tuning activities that occur during seasonal tuning or after the completion of initial construction, a combustor change-out, a major repair, maintenance to a combustor, or other similar circumstances. Emissions associated with this activity are no higher than the maximum hourly emission rate occurring during startup and shutdown. Hourly emissions from these activities will be subject to the hourly emission limit for MSS activities from gas turbines listed on the MAERT.

Dated December 29, 2011

Emission Sources - Maximum Allowable Emission Rates

Permit Number 42734 and PSDTX958

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities, sources, and related activities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

Air Contaminants Data

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
STACK1	CTG-HRSG Stack 1 Normal Operations	CO	117.60	
		NO_x	97.20	
		PM_{10}	31.40	
		SO_2	4.24	
		VOC	12.00	
		NH_3	45.70	
		$(NH_4)_2SO_4$	2.10	
STACK1	CTG-HRSG Stack 1 MSS (9)(10)	CO	1108.8	
		NO_x	344.0	
		PM_{10}	31.4	
		SO_2	4.2	
		VOC	183.5	
		NH_3	45.7	
		$(NH_4)_2SO_4$	2.1	
STACK1	CTG-HRSG Stack 1 Normal and MSS Operations	CO(7)		212.60
		NO_x(7)		200.43
		PM_{10}(7)		107.80
		SO_2		6.32
		VOC		25.35
		NH_3		109.06

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
		$(NH_4)_2SO_4$		2.95
STACK2	CTG-HRSG Stack 2 Normal Operations	CO	117.60	
		NO_x	97.20	
		PM_{10}	31.40	
		SO_2	4.24	
		VOC	12.00	
		NH_3	45.70	
		$(NH_4)_2SO_4$	2.10	
STACK2	CTG-HRSG Stack 2 MSS (9)(10)	CO	1108.8	
		NO_x	344.0	
		PM_{10}	31.4	
		SO_2	4.2	
		VOC	183.5	
		NH_3	45.7	
		$(NH_4)_2SO_4$	2.1	
STACK2	CTG-HRSG Stack 2 Normal and MSS Operations	CO		212.60
		NO_x		200.43
		PM_{10}		107.80
		SO_2		6.32
		VOC		25.35
		NH_3		109.06
		$(NH_4)_2SO_4$		2.95
TOMV1	Turbine Oil Mist Vent (5)	VOC	0.01	0.04

Emission Sources - Maximum Allowable Emission Rates

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates (8)	
			lbs/hour	TPY (4)
TOMV2	Turbine Oil Mist Vent (5)	VOC	0.01	0.04
TOMV3	Turbine Oil Mist Vent (5)	VOC	0.01	0.02
CT-1	Cooling Tower	PM_{10}	4.50	11.84
TANK1	Aqueous Ammonia Tank	NH_3	<0.01	<0.01
TANK2	Aqueous Ammonia Tank	NH_3	<0.01	<0.01
TANK3	Sodium Hypochlorite Tank	NaOCl	<0.01	0.01
TANK4	Sulfuric Acid Tank	H_2SO_4	<0.01	<0.01
TANKS5 through 8	Water Tanks	--	--	--
WTB1	Common Vent for Water Treatment Chemical Tanks 9, 10, 11, 12, and 13	IOC and OC	0.54	<0.10
FUG1	Ammonia System Fugitives (6)	NH_3	0.01	0.04
FUG2	Natural Gas Pipeline and Metering Station Fugitives	VOC	0.04	0.19
FUG3	Planned MSS Activities (ILE and non-ILE)	CO	<0.01	<0.01
		NO_x	<0.01	<0.01
		$PM_{10}/PM_{2.5}$	11.28	0.55
		SO_2	<0.01	<0.01
		VOC	506.42	2.62
		NH_3	21.07	0.03

(1) Emission point identification - either specific equipment designation or emission point number from plot plan.
(2) Specific point source name. For fugitive sources, use area name or fugitive source name.
(3) VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
SO_2 - sulfur dioxide
PM - total particulate matter, suspended in the atmosphere, including PM_{10} and $PM_{2.5}$, as represented

Emission Sources - Maximum Allowable Emission Rates

PM_{10}	- total particulate matter equal to or less than 10 microns in diameter, including $PM_{2.5}$, as represented
$PM_{2.5}$	- particulate matter equal to or less than 2.5 microns in diameter
CO	- carbon monoxide
HAP	- hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C
NH_3	- ammonia
H_2SO_4	- sulfuric acid
NaOCl	- sodium hypochlorite
$(NH_4)_2SO_4$	- ammonium sulfate
IOC and OC	- inorganic and organic compounds for water treatment including (but not limited to) trisodiumphosphate, carbohydrazide, sodium bisulfate, sodium chloride, and polyquantenary amine chloride.

(4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
(5) Turbine oil mist vent emissions are estimates only based on mist vent eliminator vendor data.
(6) Fugitive emissions are an estimate only based on component count and application of appropriate fugitive emission factors.
(7) Emissions regulated under PSDTX958 permit authorization.
(8) Emission rates are based on a maximum combustion turbine generator (CTG) operating schedule of 8,760 hours per year per CTG, and heat recovery duct burners operating a maximum of 2,500 hours per EPNs STACK1 and STACK2.
(9) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
(10) These limits include hourly emissions from a non-ILE activity (See Attachment B).

Dated December 29, 2011